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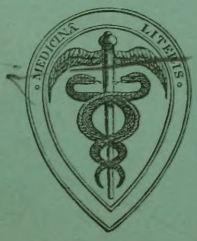


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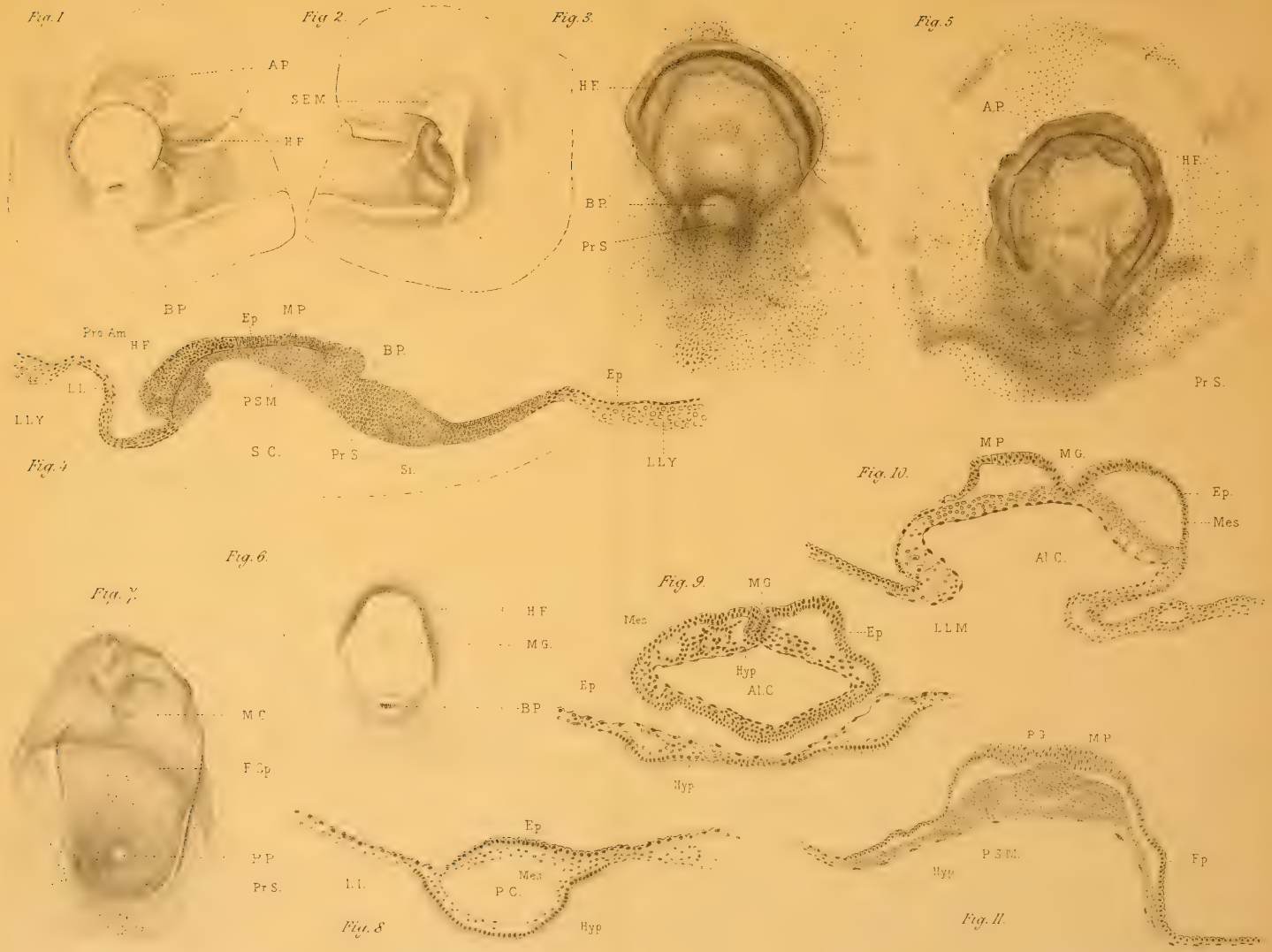


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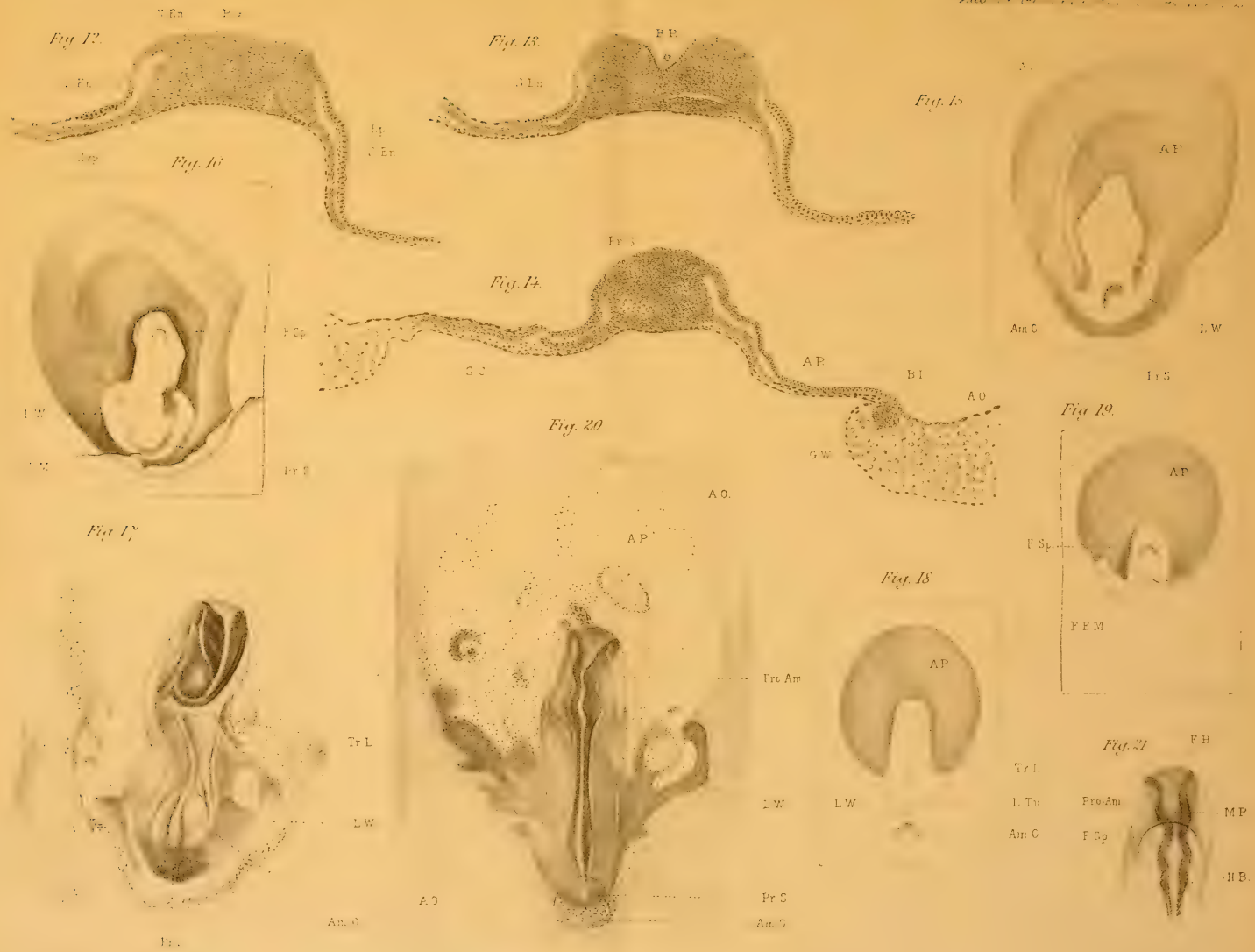


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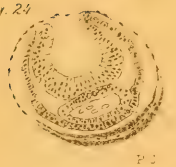


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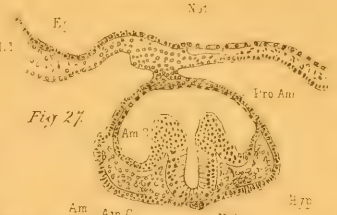


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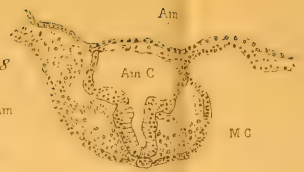


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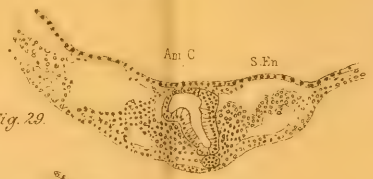


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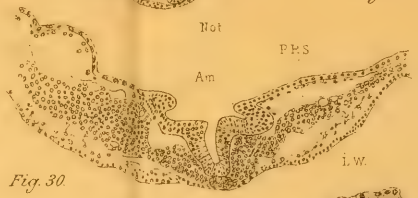


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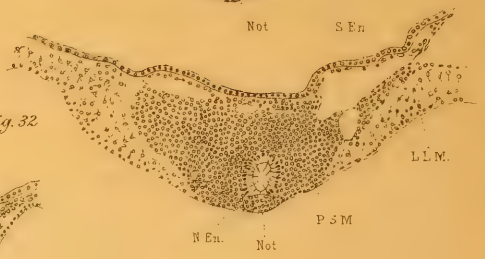


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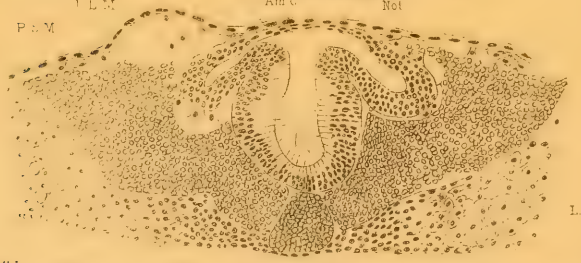


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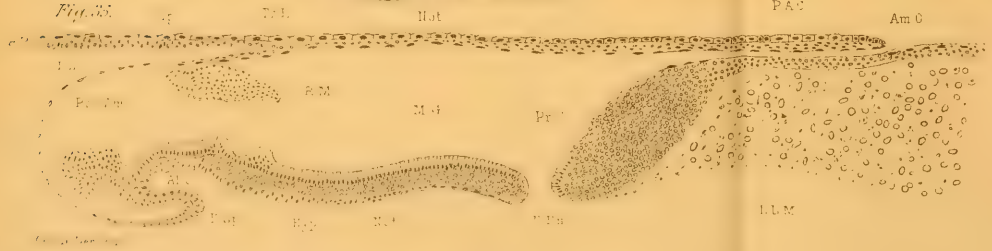


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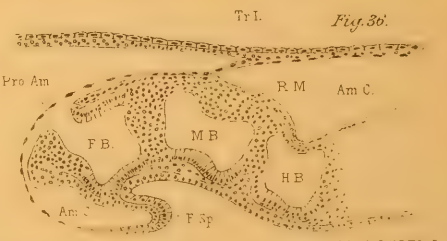


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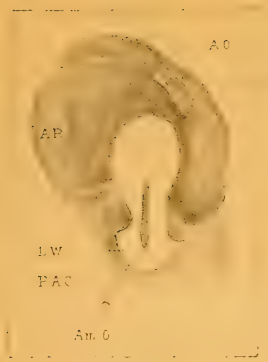


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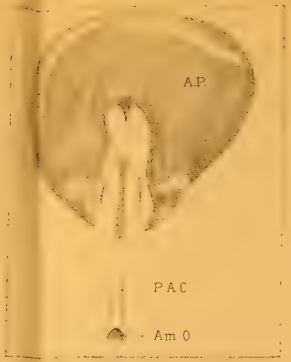


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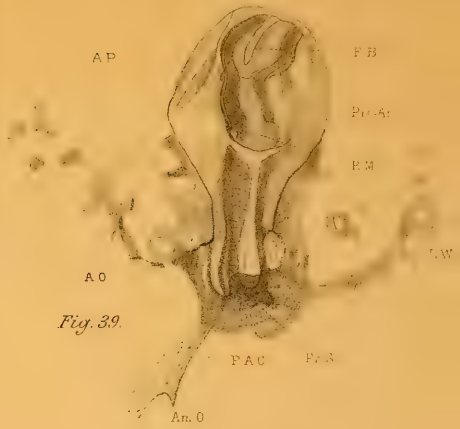


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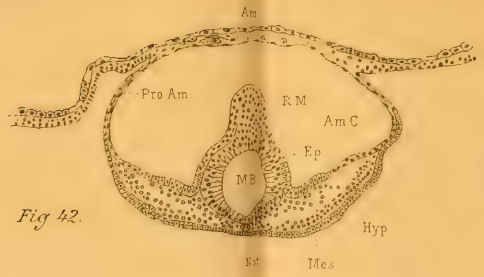


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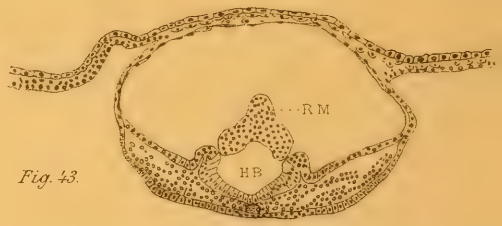


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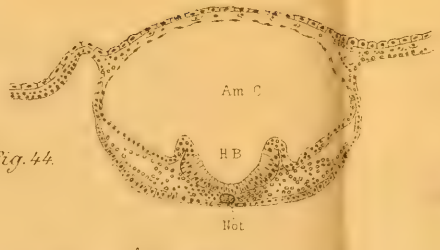


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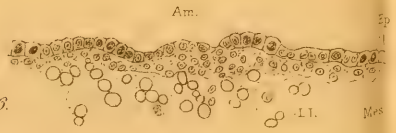


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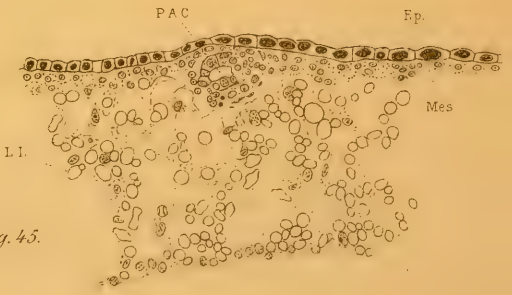


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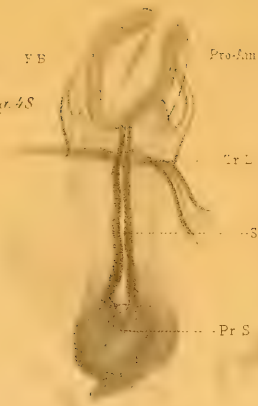


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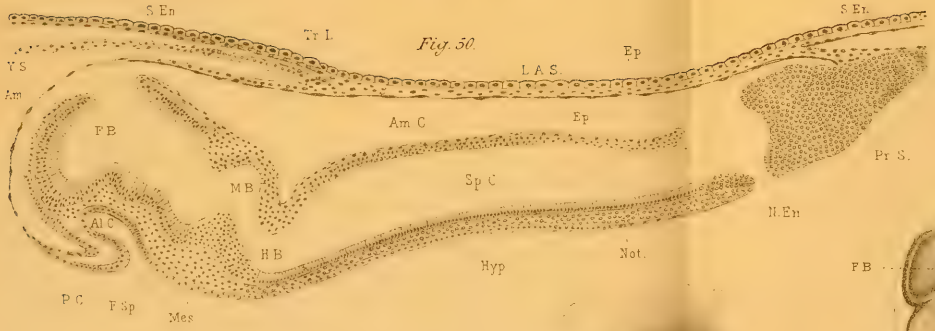


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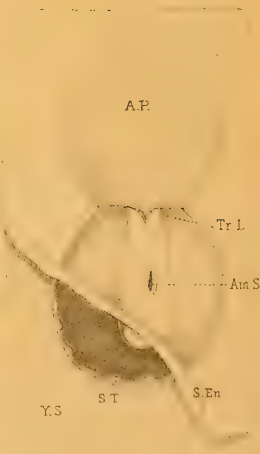


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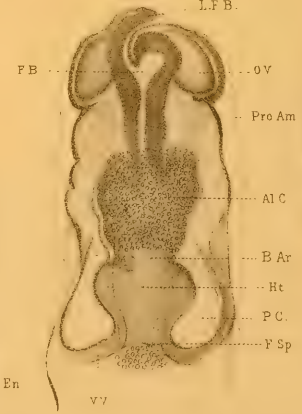


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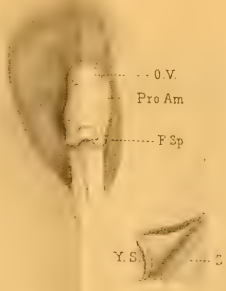


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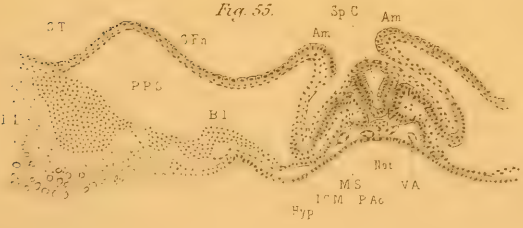


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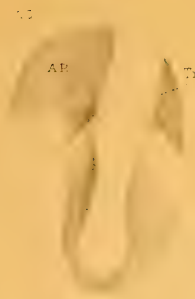


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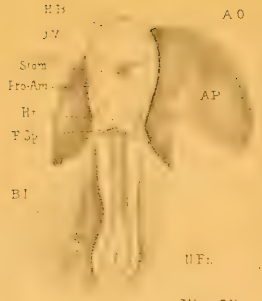


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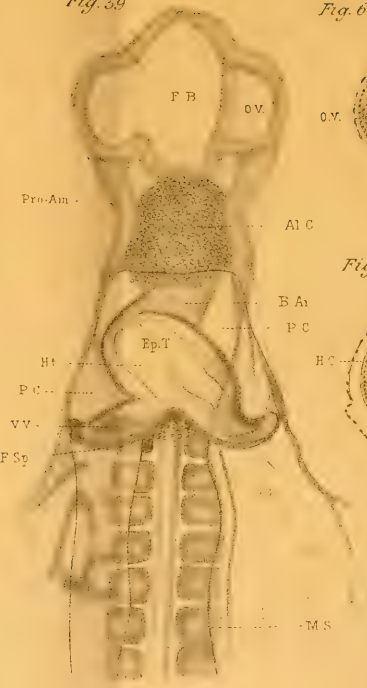


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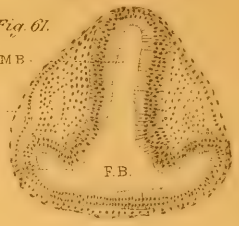


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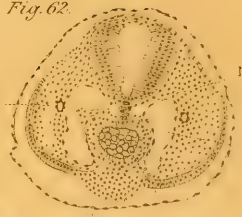


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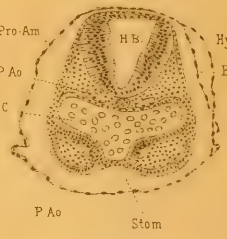


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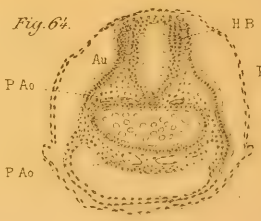


Fig. 64.

Fig. 65.

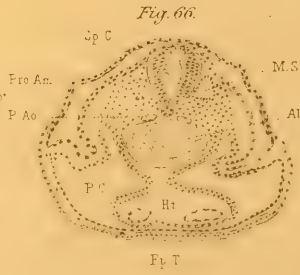


Fig. 66.

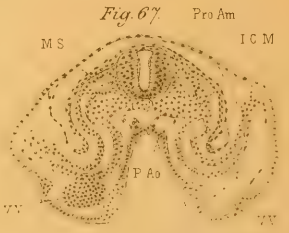


Fig. 67.

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DEVELOPMENT OF THE TUATARA. Stage J.

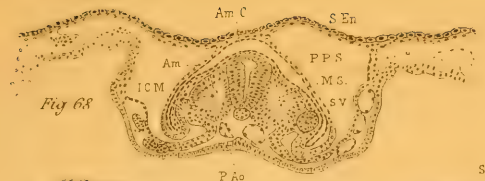


Fig. 68

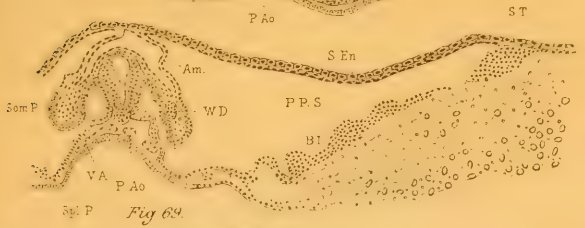
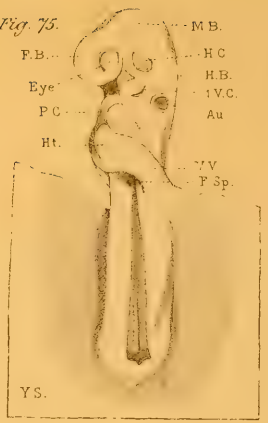


Fig. 69.

Fig. 74.



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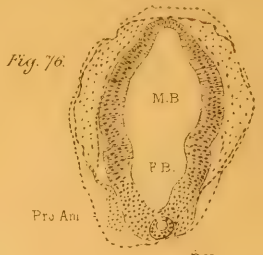
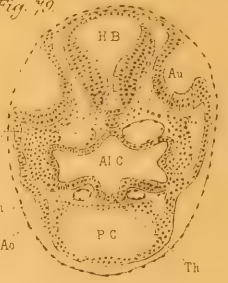


Fig. 76.

Fig. 70.



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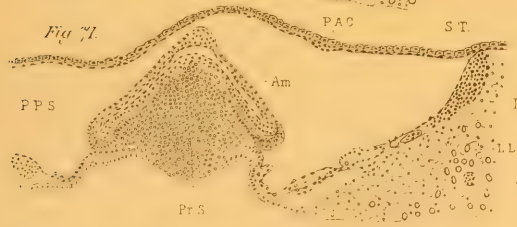

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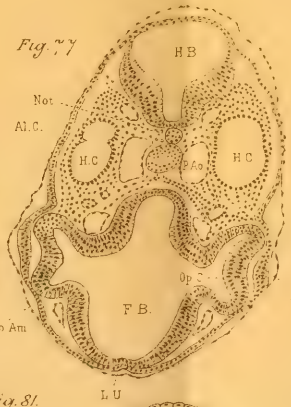
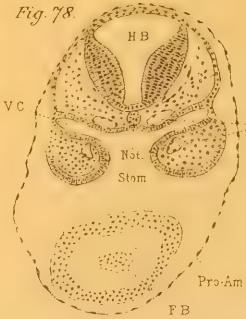


Fig. 77



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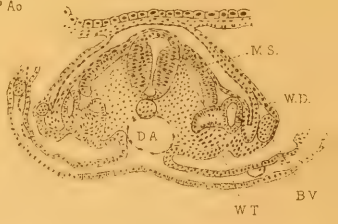
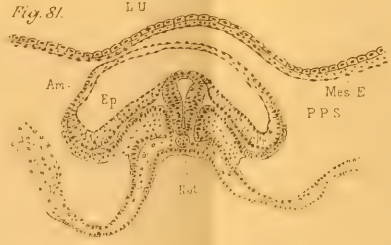


Fig. 80.

Fig. 72.



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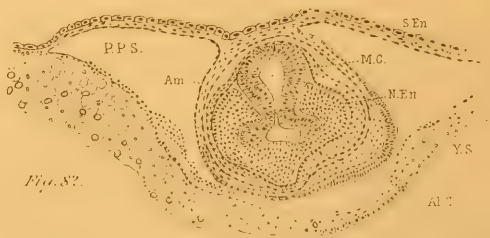

Fig. 82.

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DEVELOPMENT OF THE TUATARA. Stages J and K.

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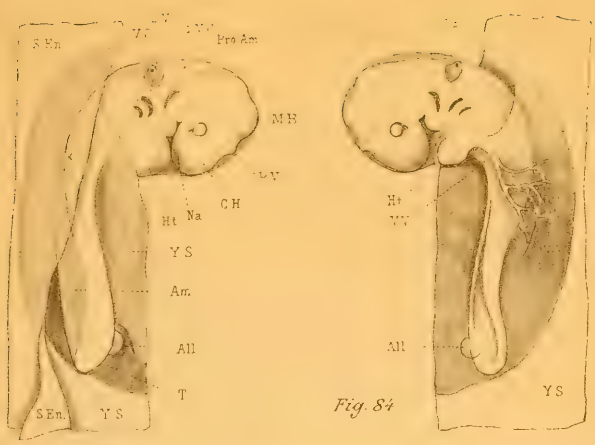


Fig. 83




Fig. 84

Fig. 85

Fig. 86

Fig. 87

Fig. 88.

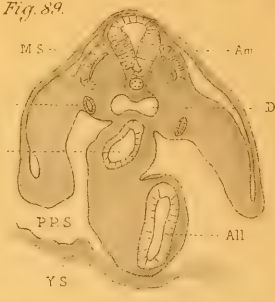


Fig. 89.

Fig. 90.

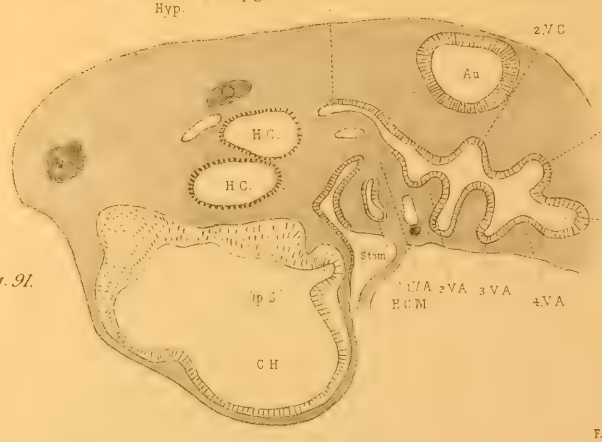


Fig. 91.

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DEVELOPMENT OF THE TUATARA. Stage L.

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Fig. 92.

Fig. 93.

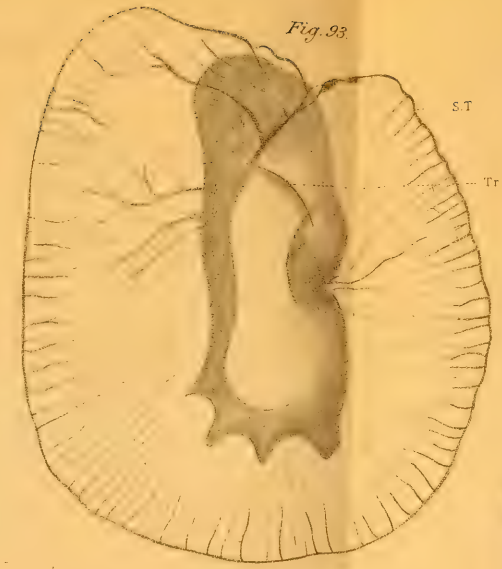



Fig. 95.

Fig. 94.

Fig. 96.

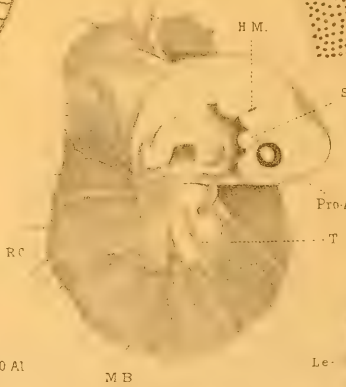
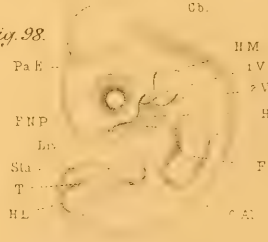



Fig. 97.

Fig. 98.

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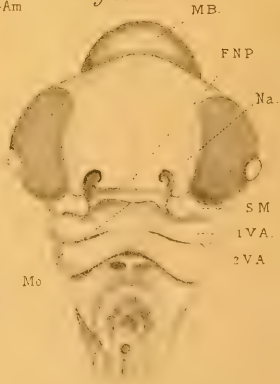


Arthur Dendy del.

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DEVELOPMENT OF THE TUATARA. Stages M, N and O.

Fig. 100.

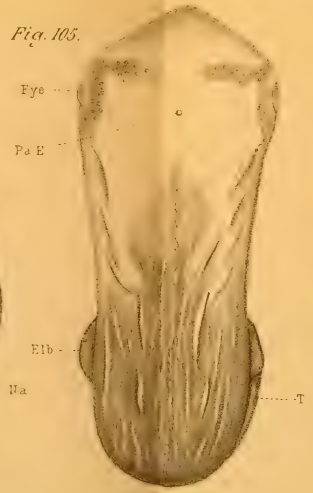
Fig. 101.

Fig. 102.

Fig. 103.

Fig. 104.

Fig. 105.

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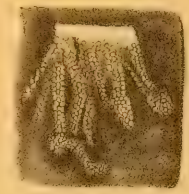

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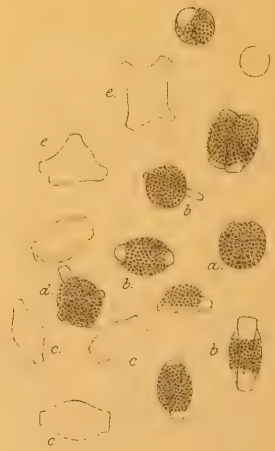


DEVELOPMENT OF THE TUATARA. Stages O, P, Q and R.

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Fig. 1

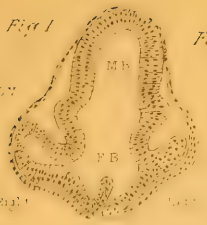



Fig. 2.

Fig. 3.

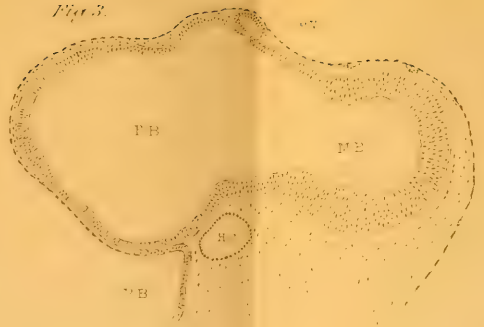



Fig. 4.

Fig. 5

Fig. 6.

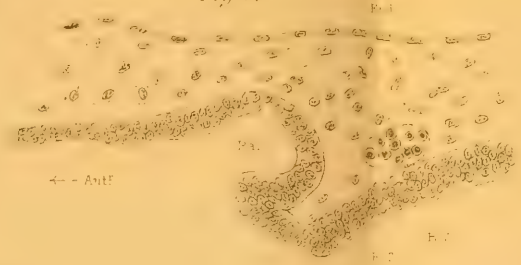



Fig. 7.

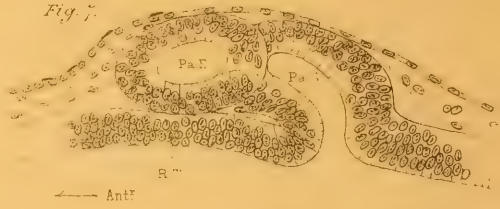



Fig. 8

Fig. 9.

Fig. 10.

Fig. 11.

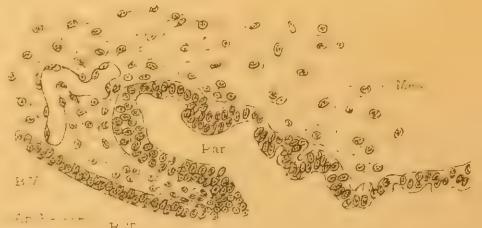
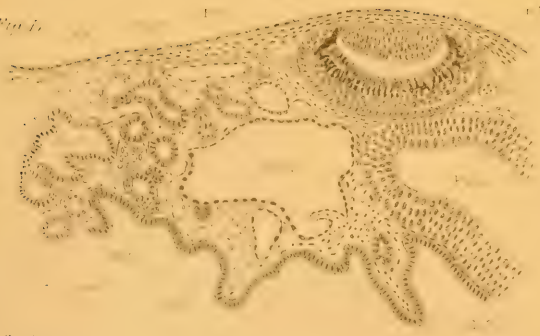


Fig. 12.

Fig. 13.

Fig. 14.



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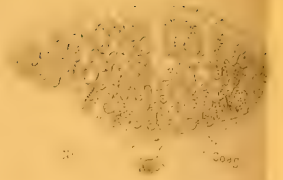


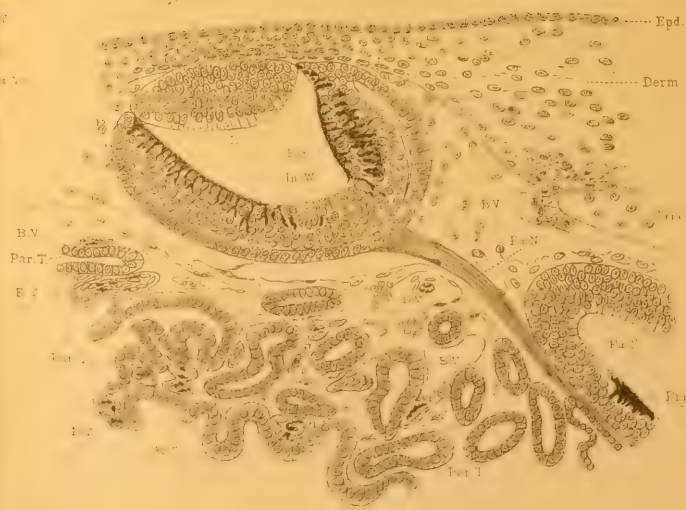
Fig. 20.

Fig. 18.

Fig. 17.

Fig. 15.

Fig. 16.

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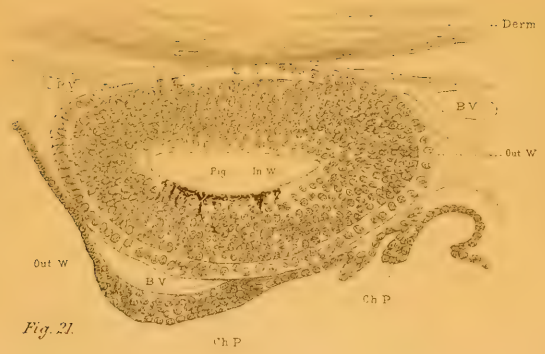
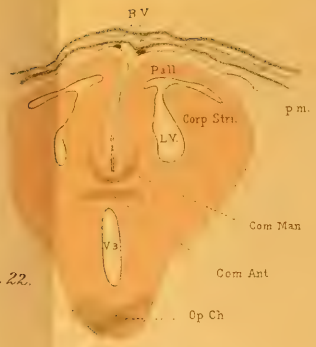



Fig. 21.

Fig. 28.

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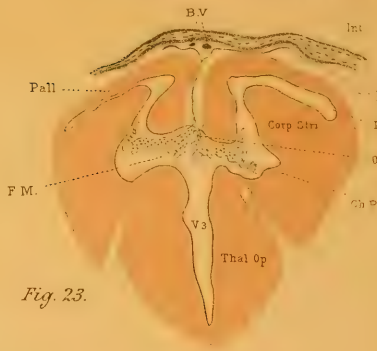


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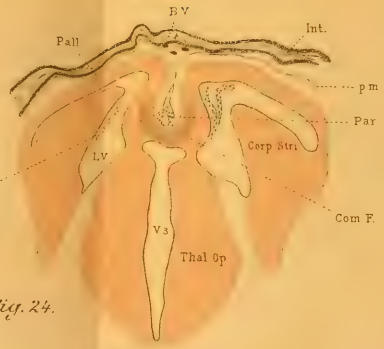


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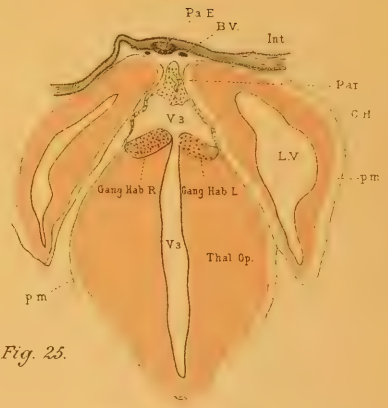


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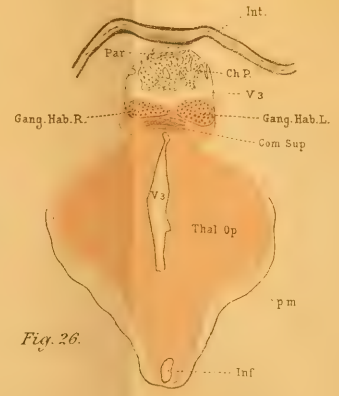


Fig. 26.

Fig. 27.

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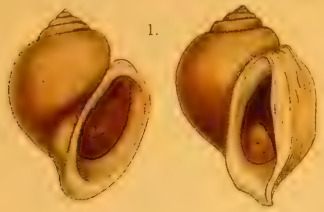


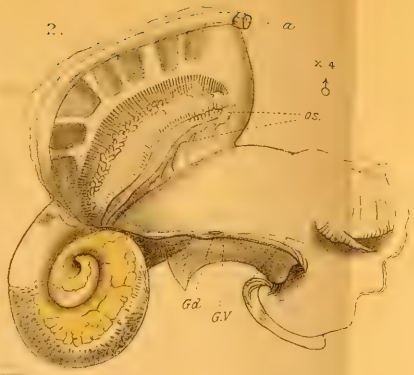

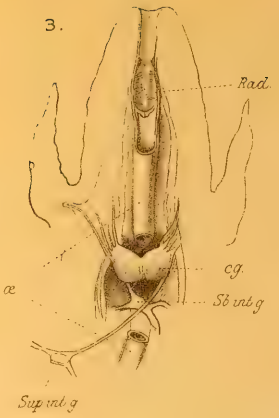


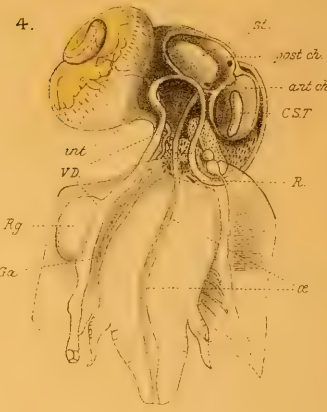

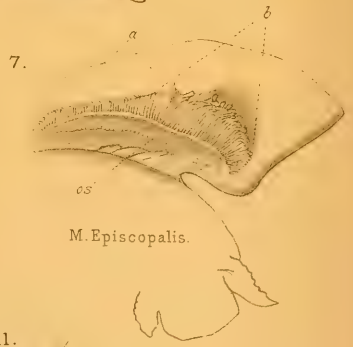


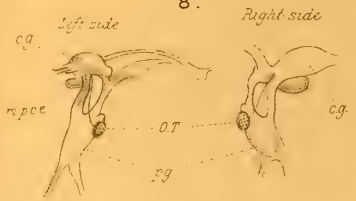

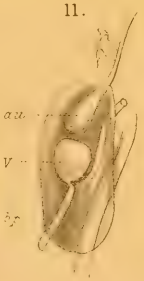

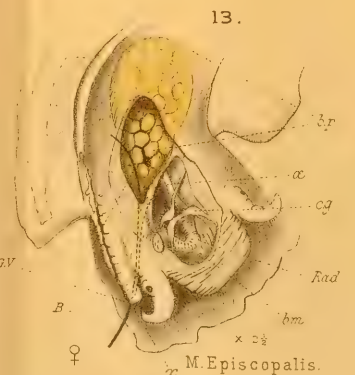


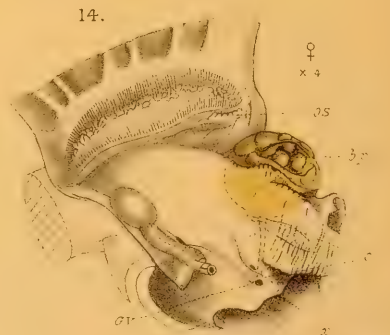


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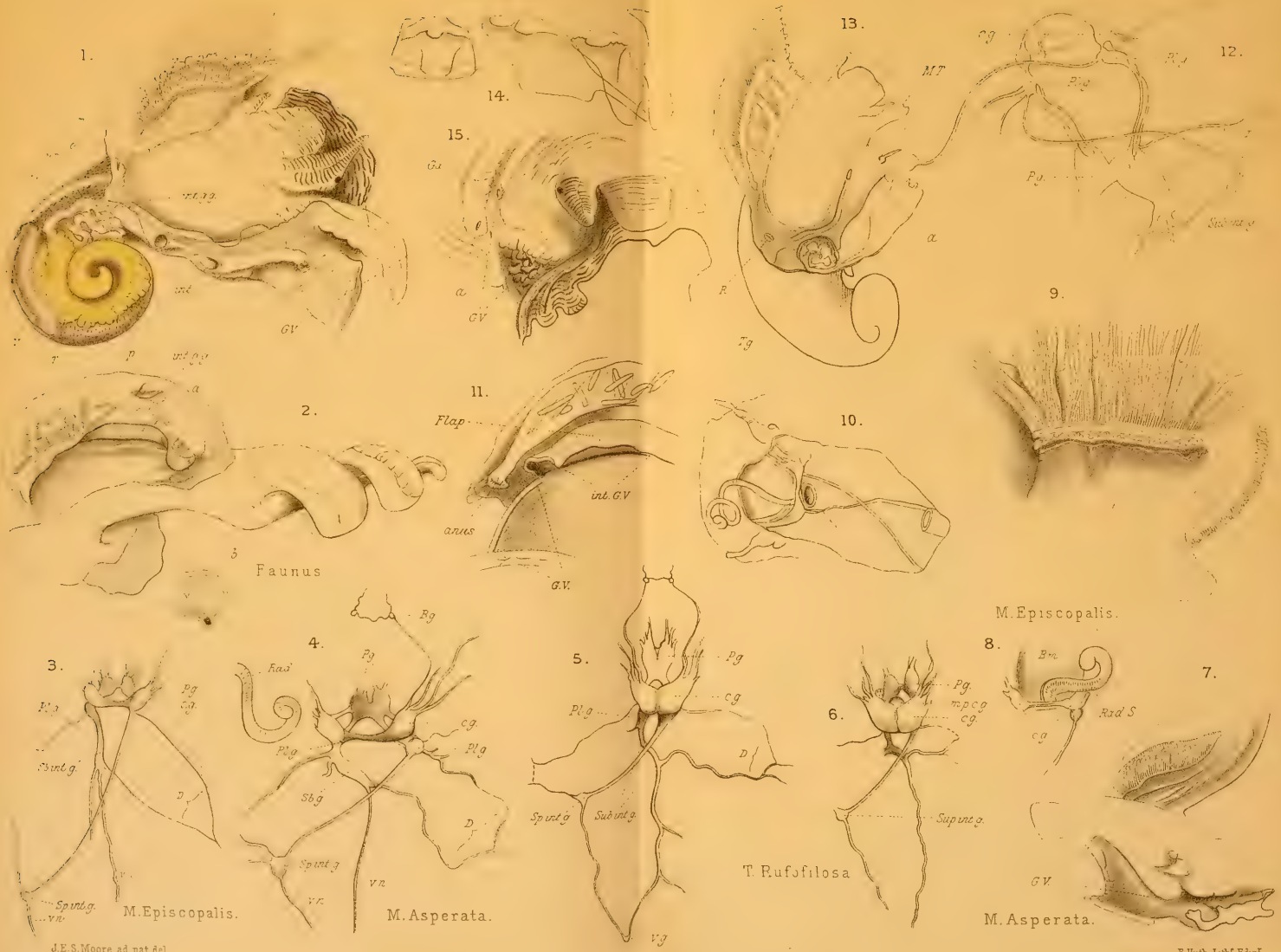
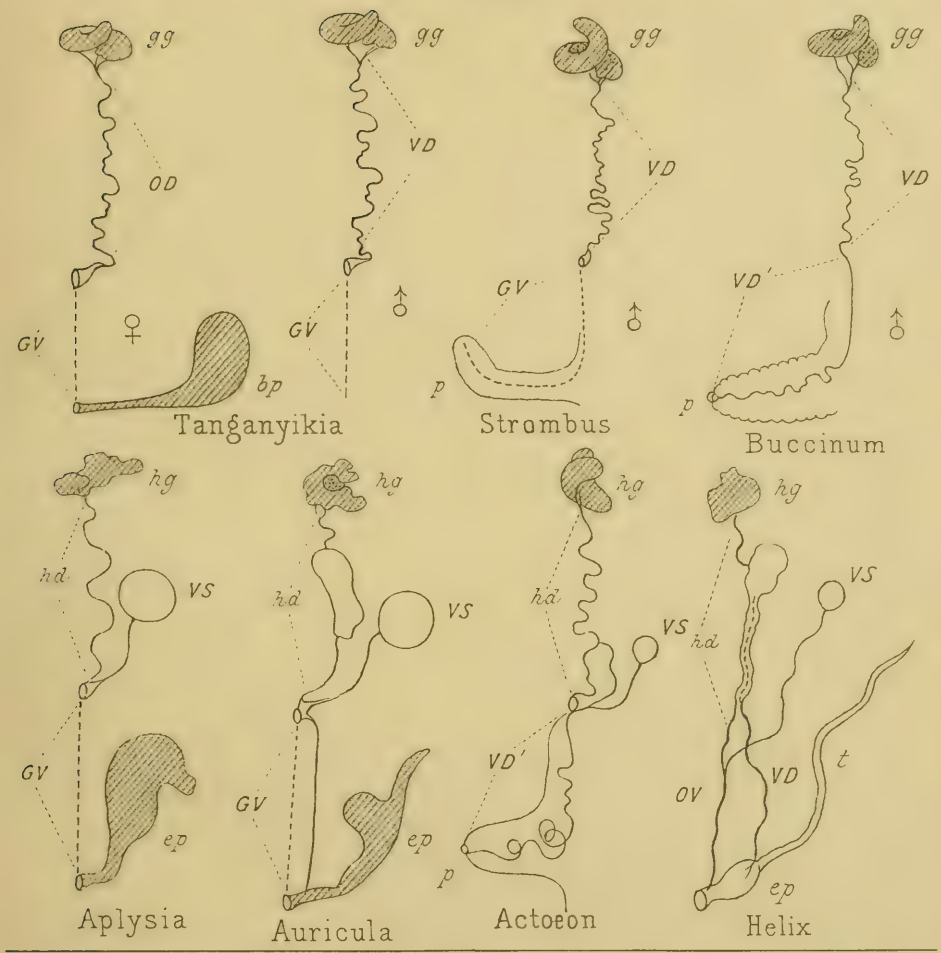

M. Episcopalis
1.
14.
15.
13.
12.
9.
2.
11.
10.
Faunus
M. Episcopalis.
3.
4.
5.
6.
8.
7.
M. Episcopalis.
M. Asperata.
T. Rufofilosa
M. Asperata.
J.E.S. Moore ad nat. del.
P. Huth, Lith.r Edin.r

J.E.S. Moore del.

F. Huth, Lith.r Edin.r

DIAGRAM I.



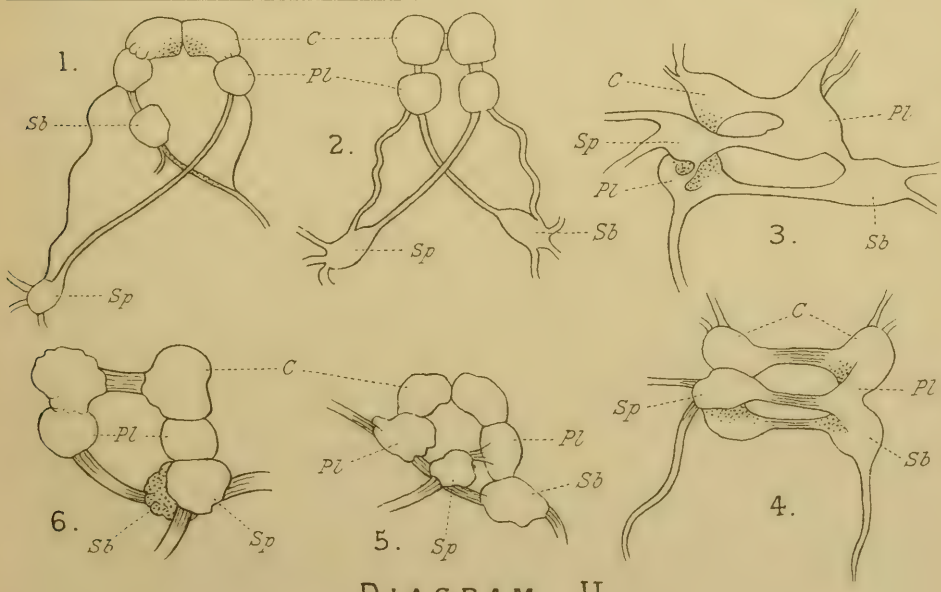




DIAGRAM II.

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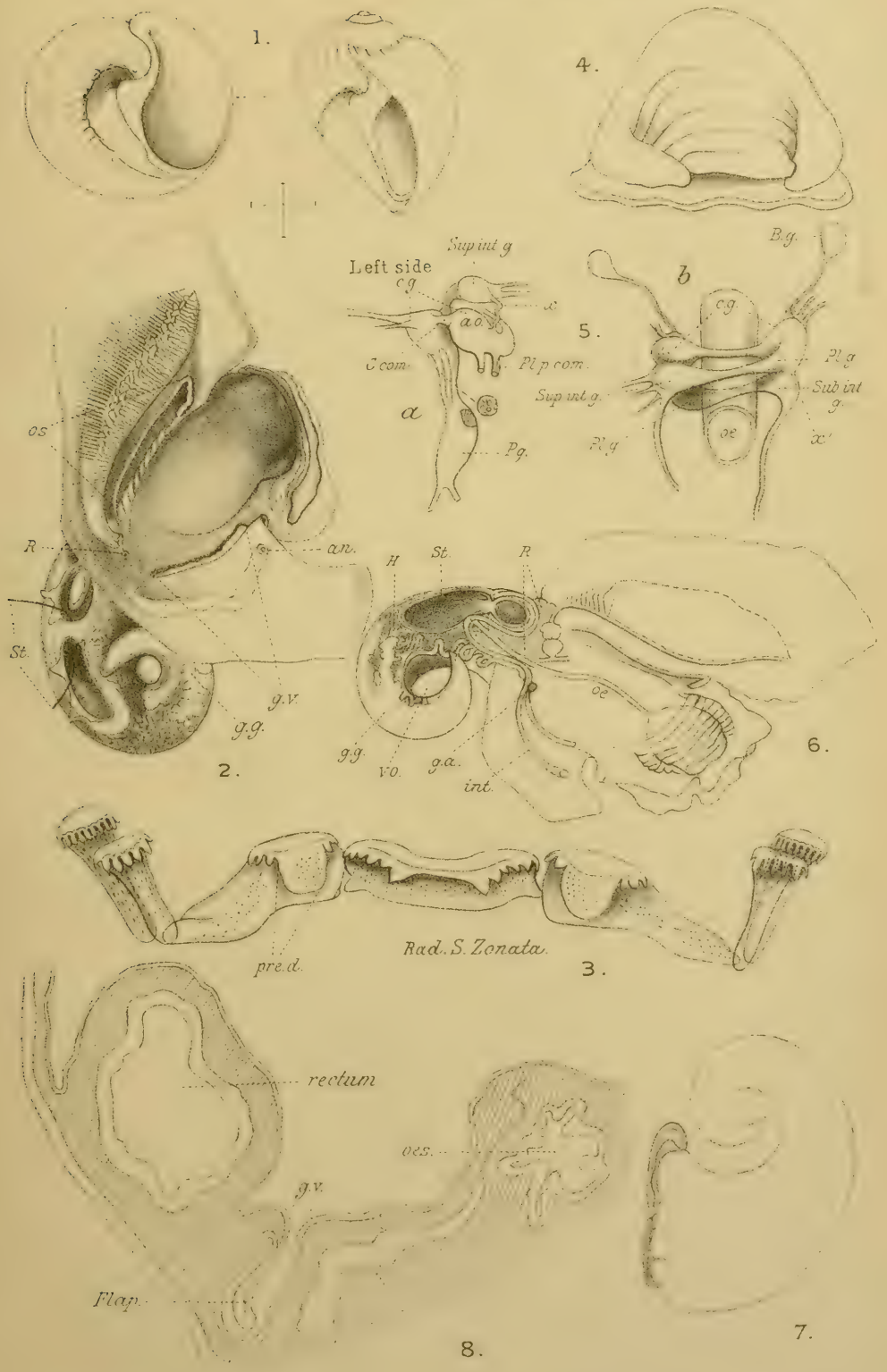
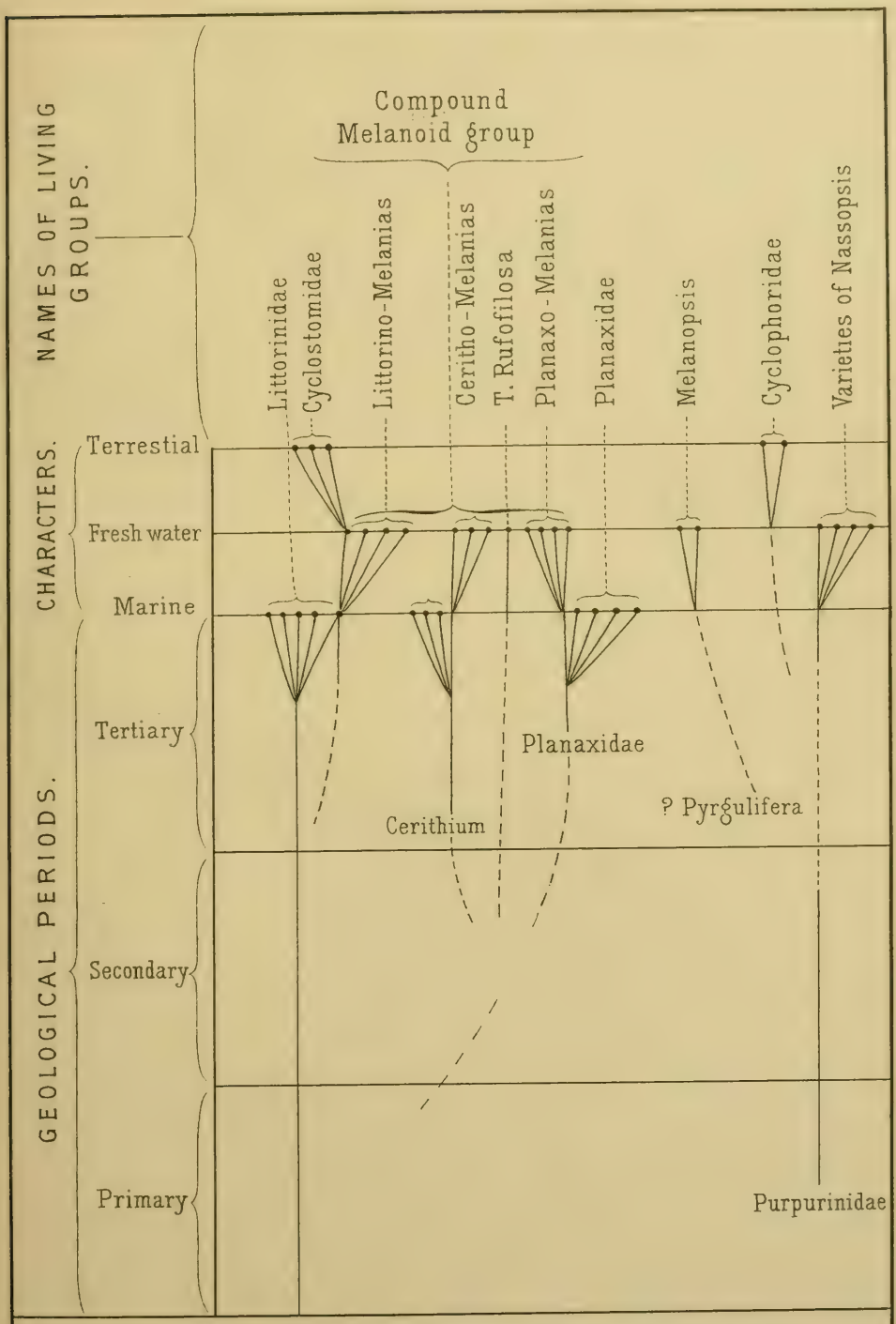
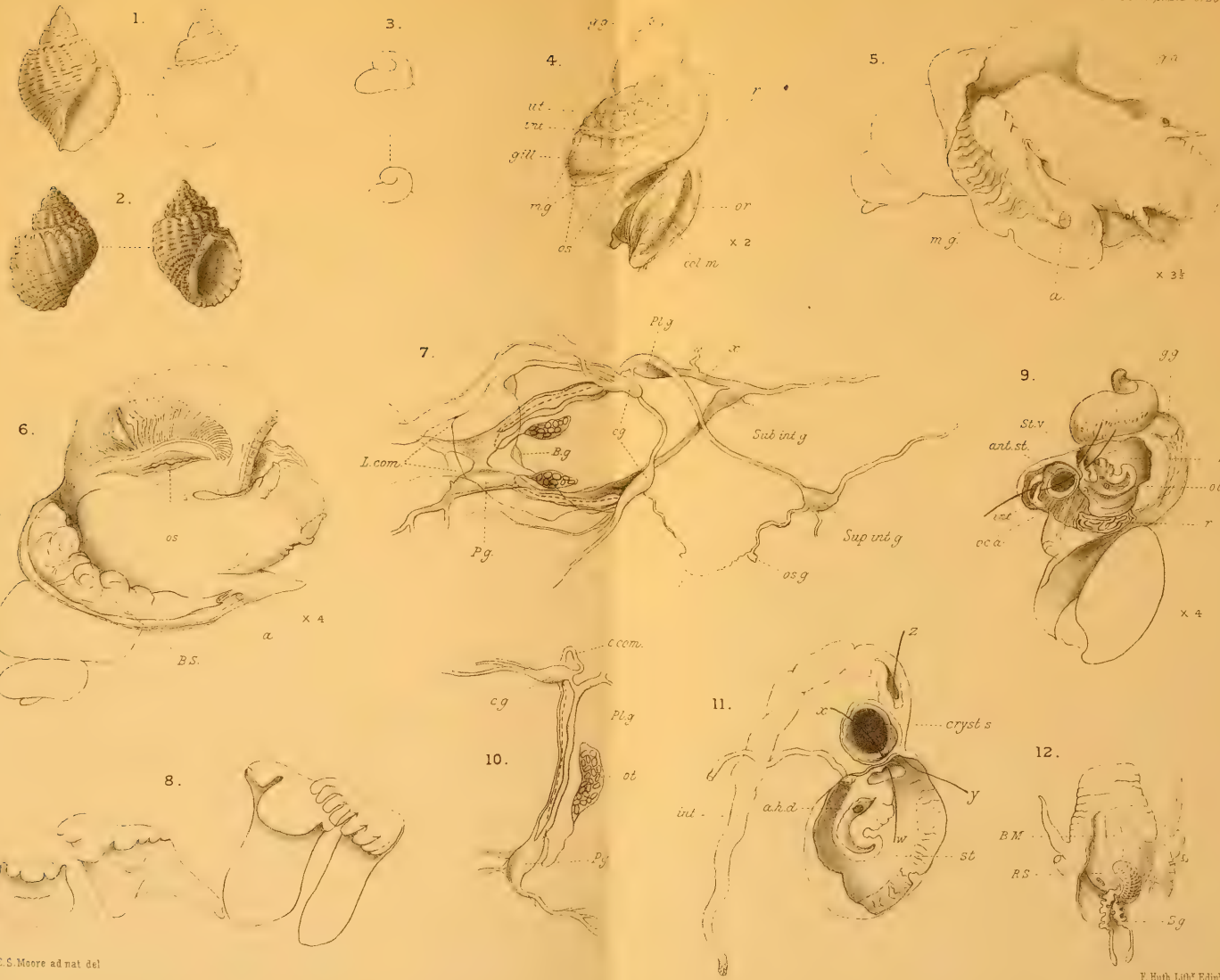

1.
4.
Sup int g
Left side
c.g.
a.o.
C com.
Pl p com.
Sup int g.
Pg.
a
5.
B.g.
b
c.g.
Pl g
Sub int g
x'
oe
os
R
an.
St.
g.V.
g.g.
2.
H
St.
R
oe
g.g.
V.O.
g.a.
int.
6.
Rad. S. Zonata.
pre.d.
3.
rectum
oes.
g.V.
Flap.
8.
7.



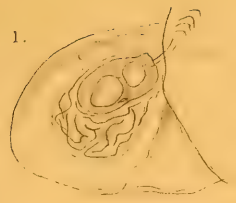

Scheme shewing the apparent phylogenetic origin of some existing fresh-water groups.

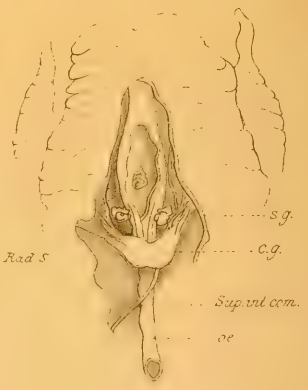
F. Huth, Lith. Edin.

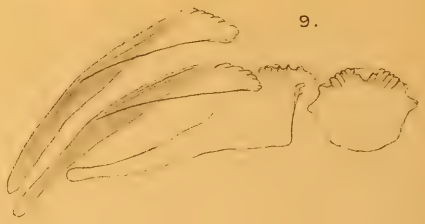



J.E.S. Moore ad nat. del.

F. Huth, Lith.r Edin.r

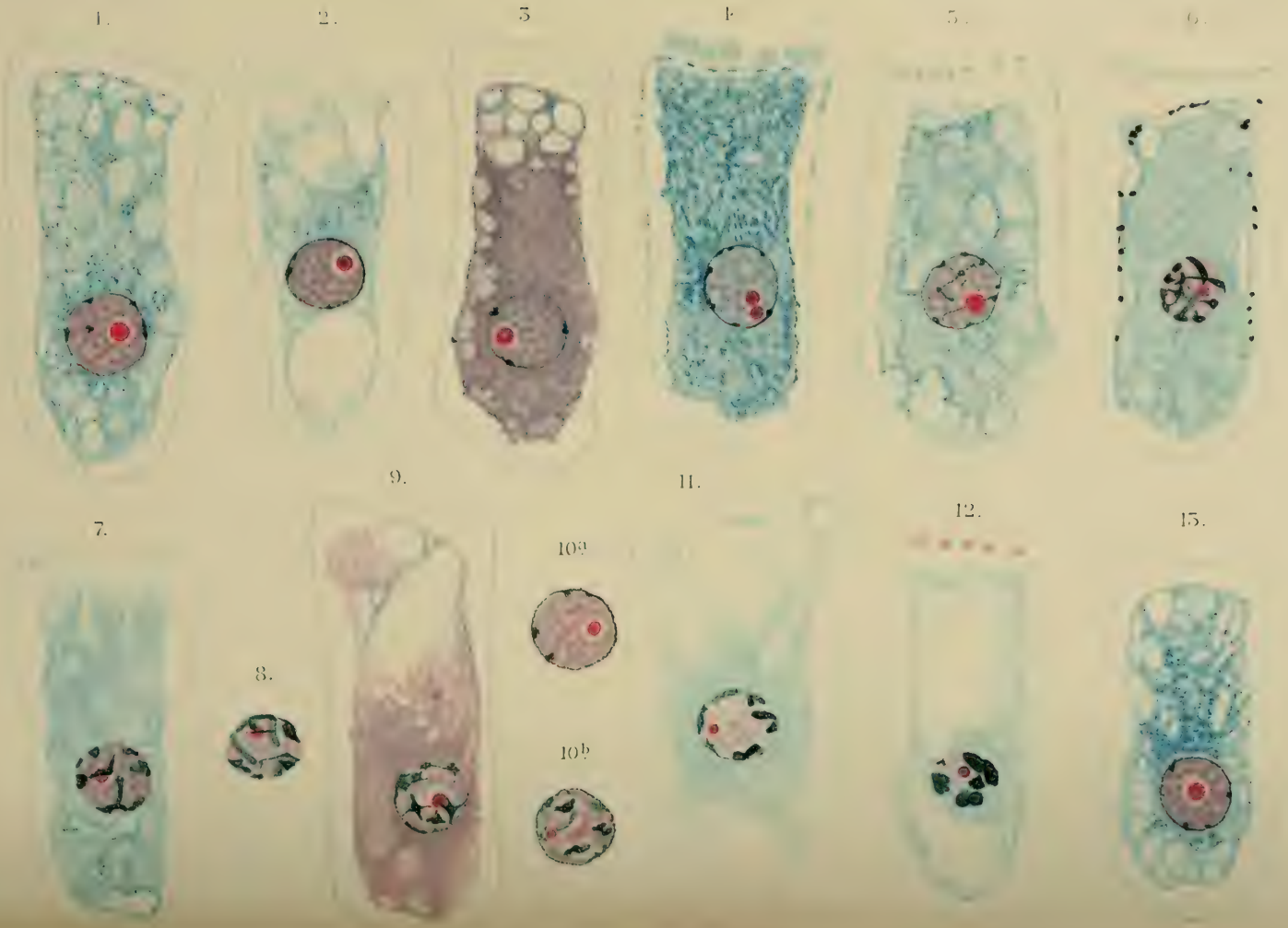




J.E.S.Moore ad nat del.

F. Huth, Lith.r Edin.r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10a
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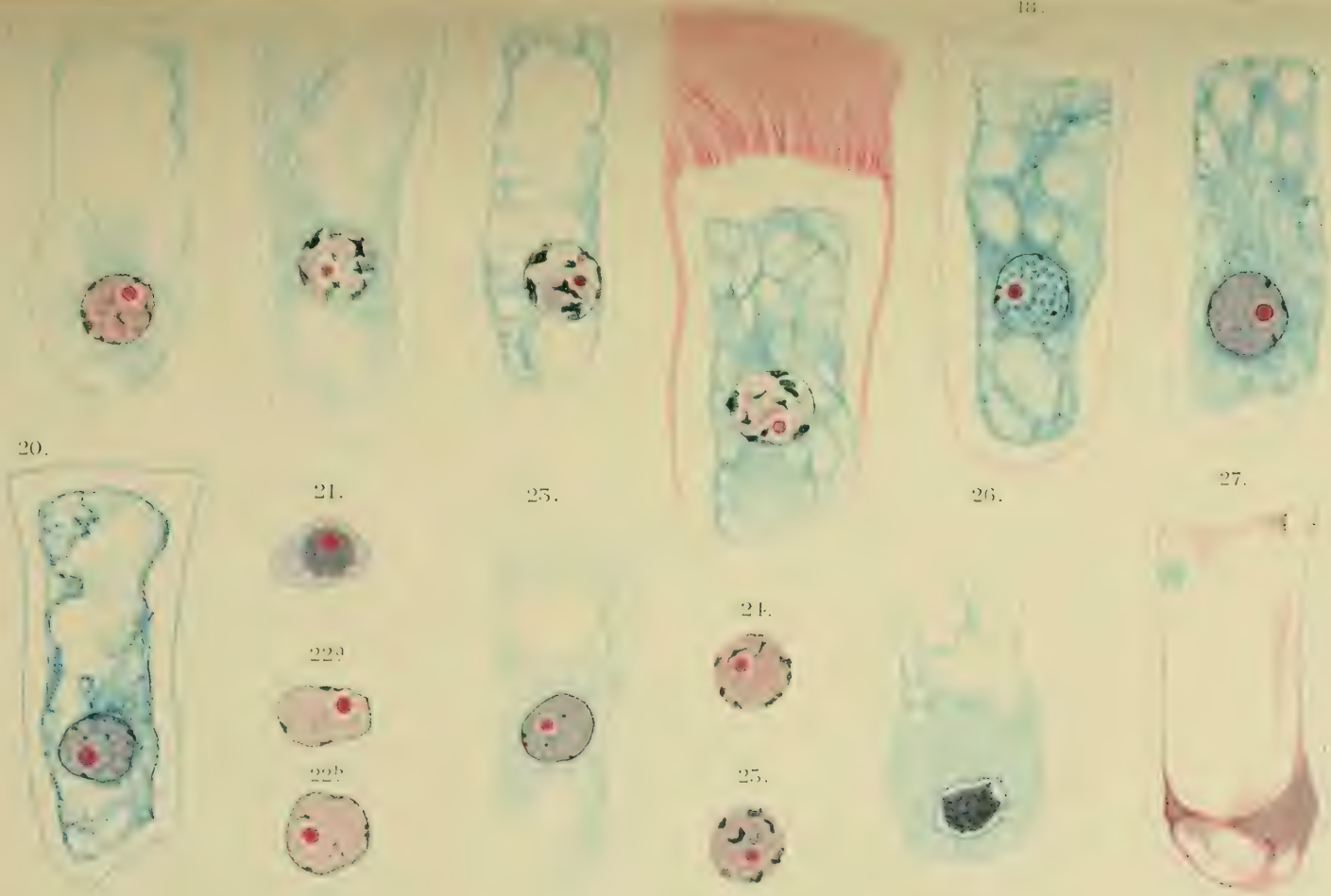


L. Hine del.

Lith. Werner & Winter, Frankf.

*Fig. I.*
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J. H. Ashworth del.

P. Huth, Lith. Edinr.

Fig. 2.

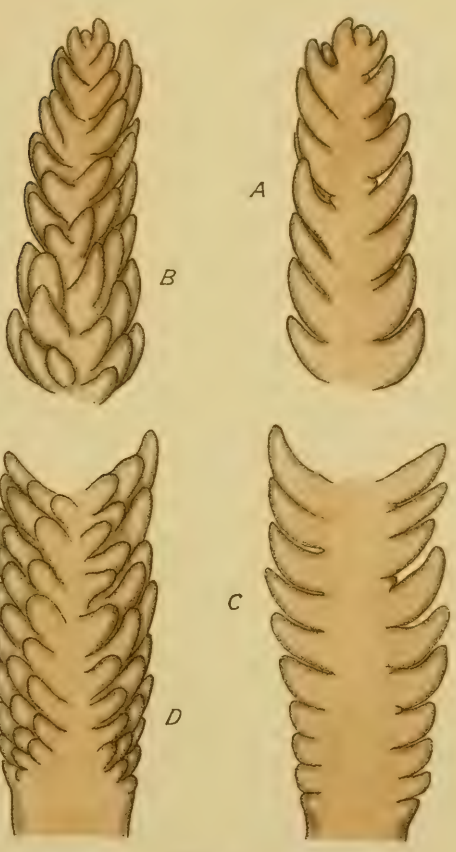



Fig. 3.

Fig. 5.

Fig. 7.A

Fig. 4.A

Fig. 4.

Fig. 6.

Fig. 6.A

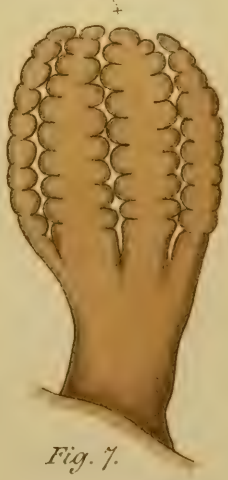


Fig. 7.

J. H. Ashworth del.

P. Huth, Lith. Edin.

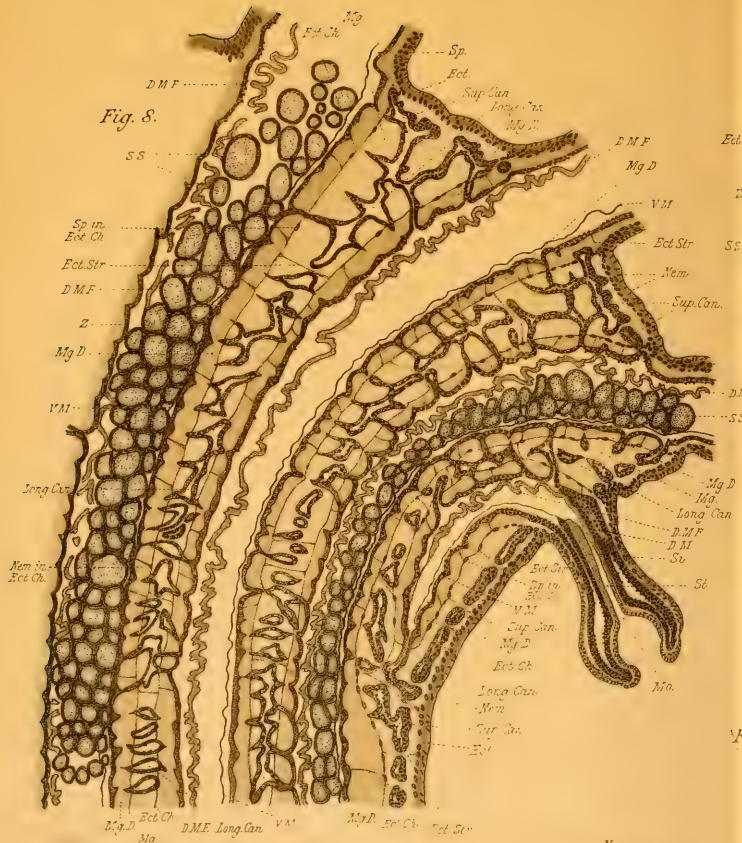


Fig. 8.
Mg
Ect. Ch.
Sp.
Ect.
Sup. Can.
Long. Can.
D M F
S S
Mg D
V M
Sp in Ect. Ch
Ect. Str
Nem.
Z
Long. Can
Mo.
Nem. Sp. Ect. Ch.
Mg D
Ect. Ch
D M F
Long. Can
V M
Mg D
Ect. Ch
Long. Can
Ect. Str

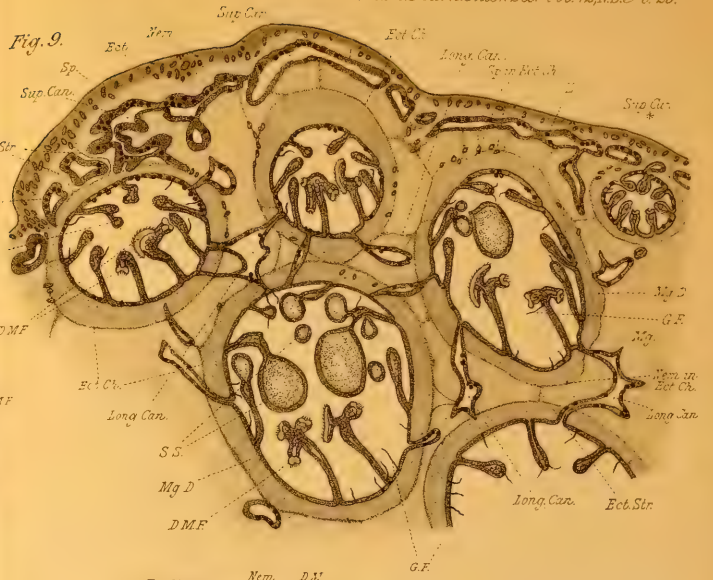


Fig. 9.
Sup. Can.
Nem.
Ect.
Ect. Ch.
Long. Can.
Sp in Ect. Ch
Sp.
Sup. Can.
Ect. Str
Z
S S
D M F
Mg D
G F
Mg
Nem. in Ect. Ch.
Long. Can.
Ect. Ch.
Long. Can.
S S.
Mg D
D M F
Long. Can.
Ect. Str.
G F.

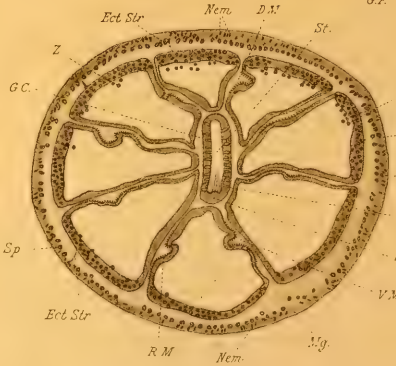


Fig. 10.
Ect. Str
Nem.
D M
St.
Z
G C.
Z
End.
Ect
F
Sp
St
V M
Ect. Str
R M
Nem.
Mg.

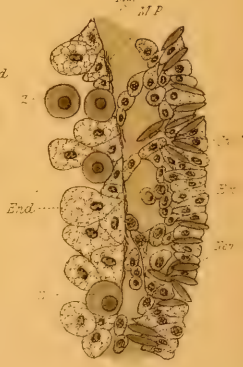
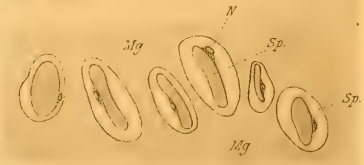

Mo.
M P
Z
End.
Ect.
Nem.

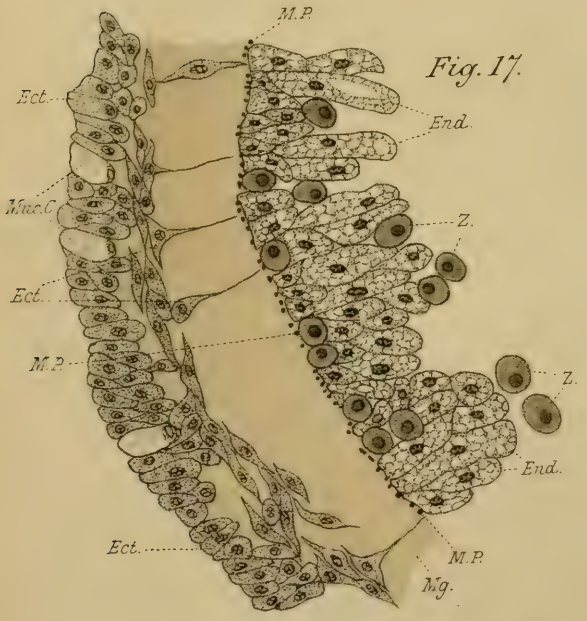
Fig. 11.

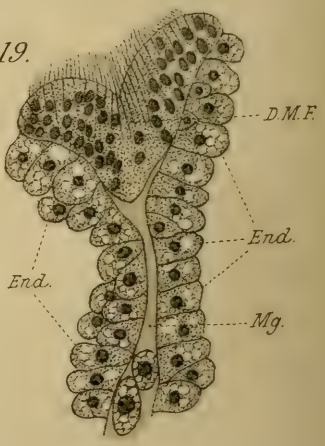
Fig. 13.


N
Mg
Sp.
Sp.
Mg
Fig. 14.

Cn. C.
N
Fig. 12.

N
N
A
Sp
B
Fig. 15.



J.H.Ashworth del.

Fig. 21.

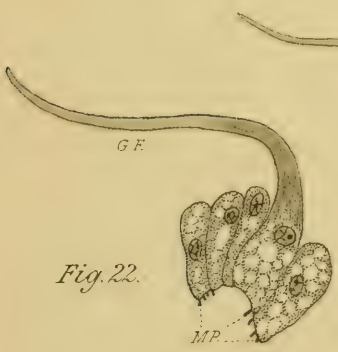
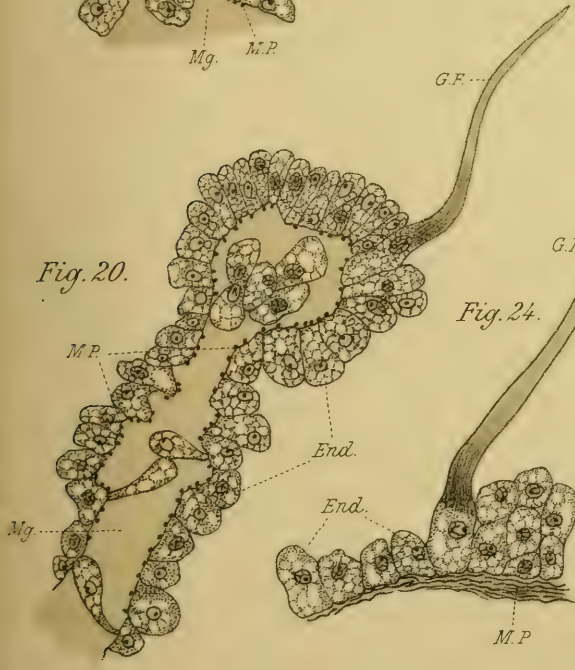



Fig. 22.

Fig. 23.

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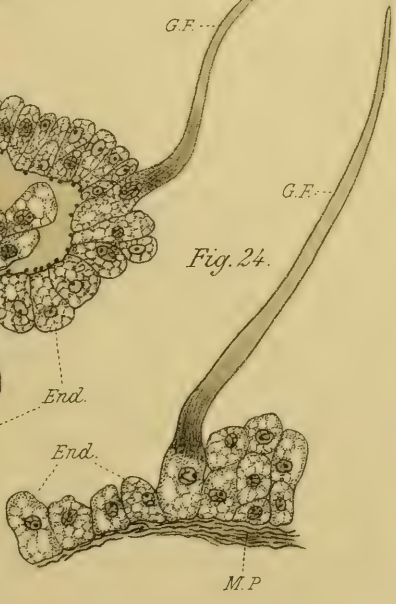


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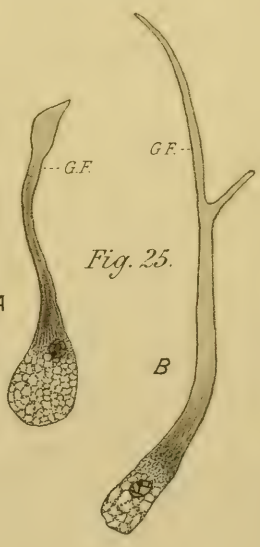


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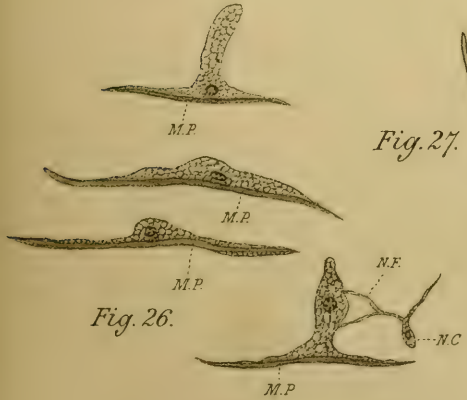


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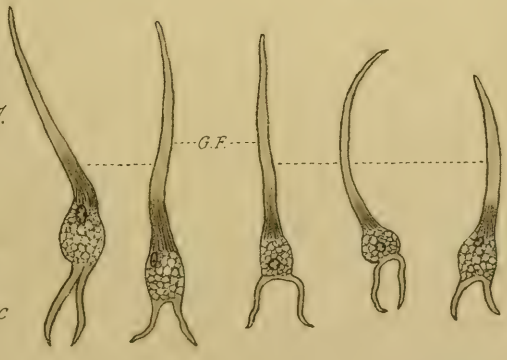



Fig. 27.

F. Huth, Lith.r Edin.r

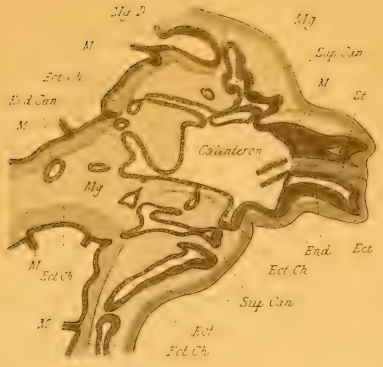
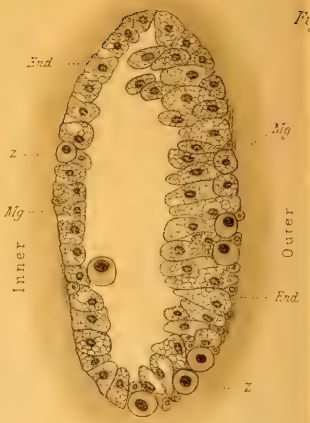
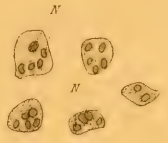



Fig. 28.

Fig. 29.

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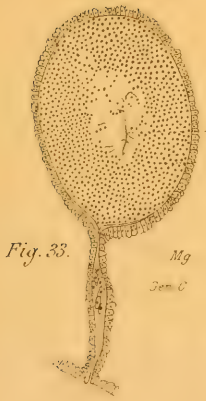



Fig. 33.

Fig. 34.

Fig. 36.

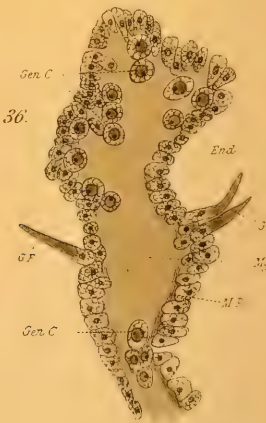
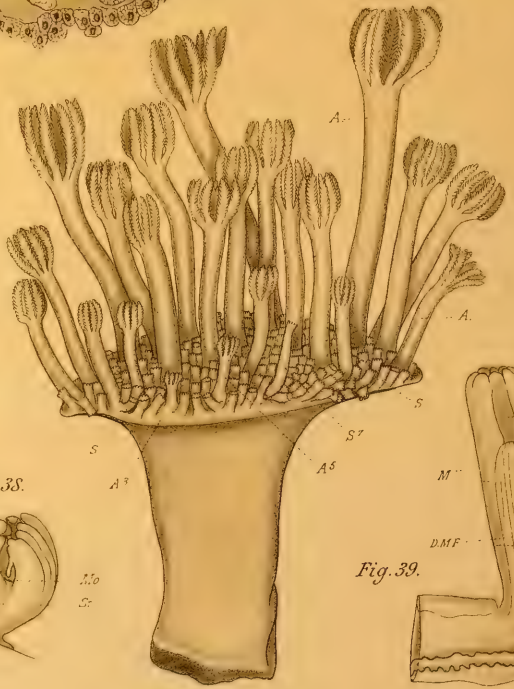



Fig. 30.

Fig. 31.

Fig. 32.

Fig. 37.

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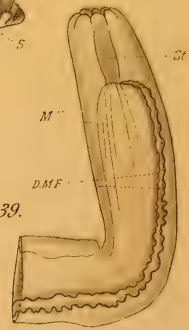
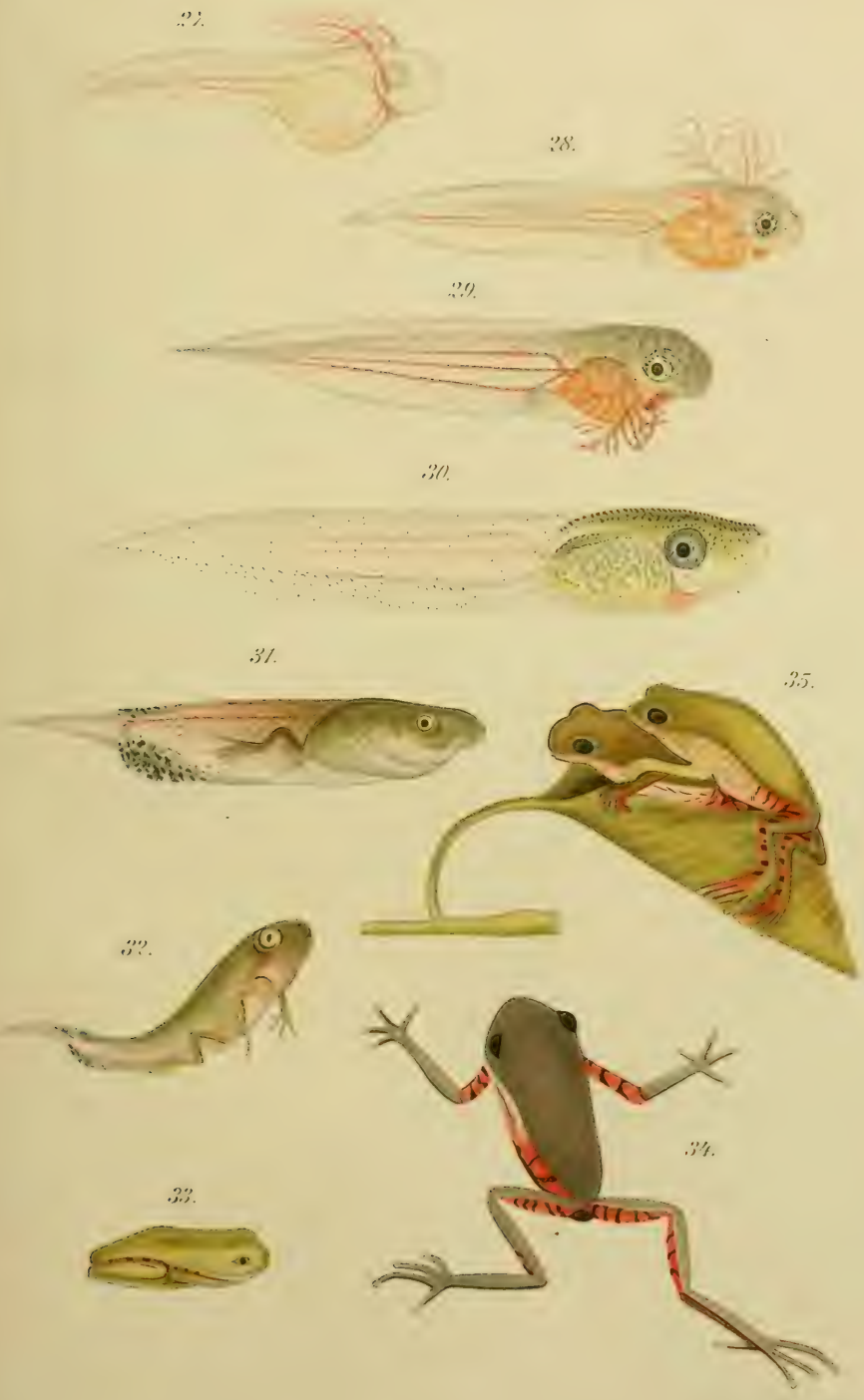
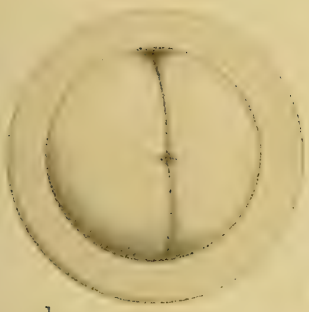



Fig. 39.




Lith. Anst. v. E. A. Funke, Leipzig.



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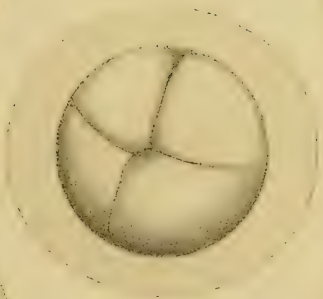

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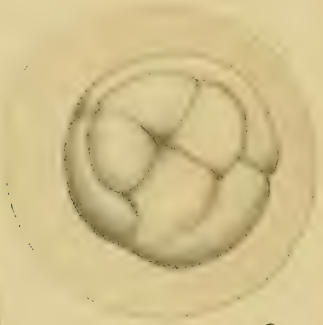

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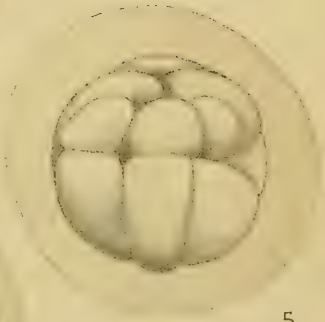

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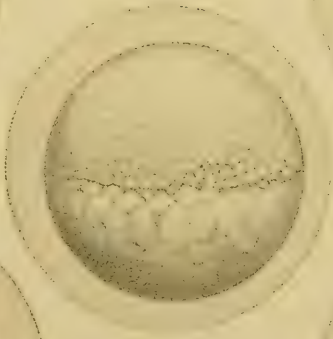

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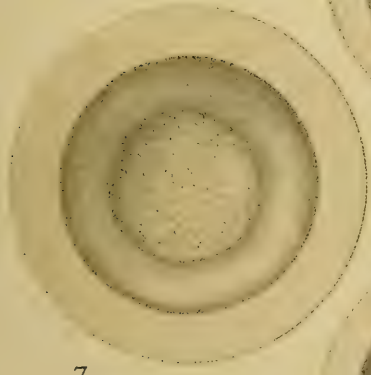

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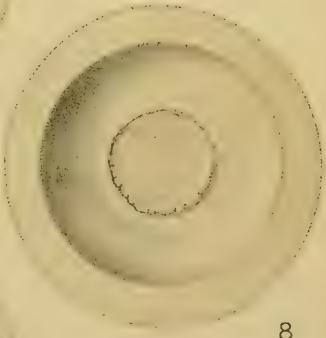

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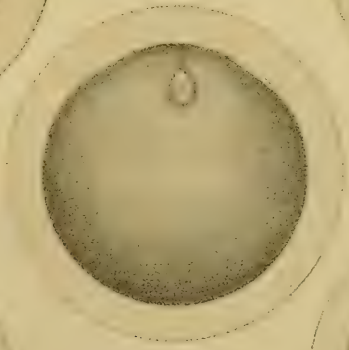

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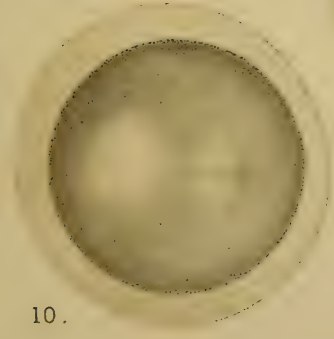

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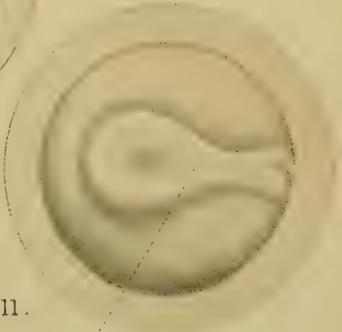

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*prim. stk.*

F. Huth, Lith^r Edin^r

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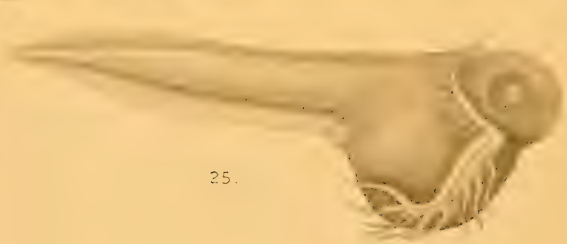

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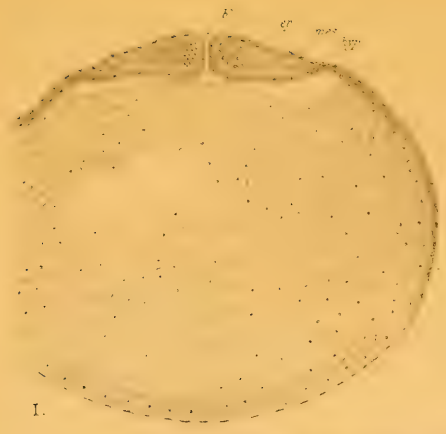
F. Huth, Lith.r Edin.r

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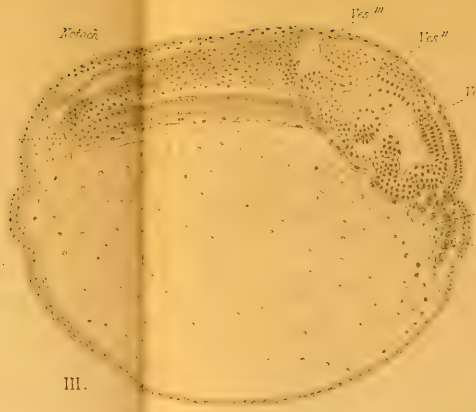


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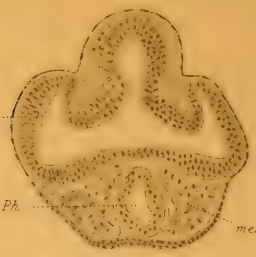


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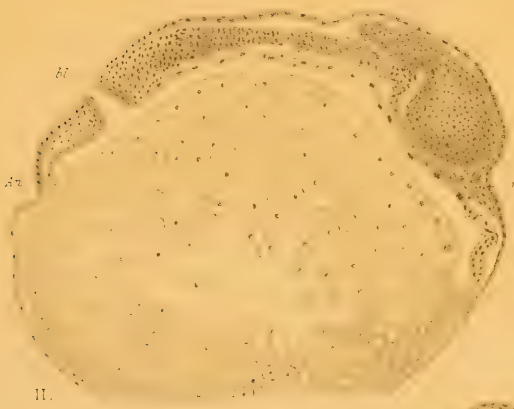


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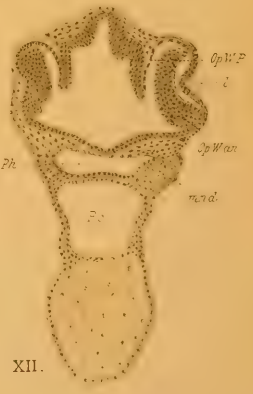


XII.

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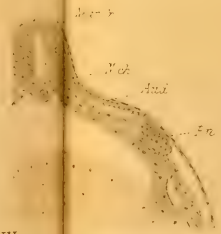
X.

IX.



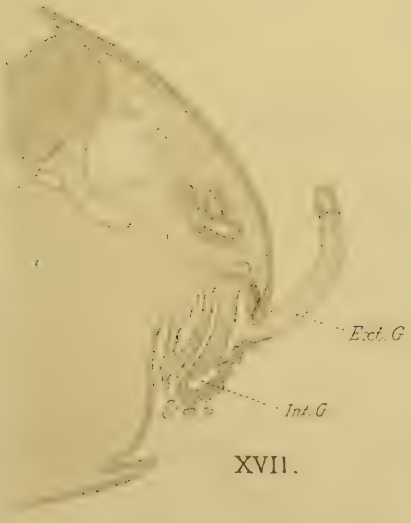

VII

VIII.

F Huth, Lith^r Edin^r

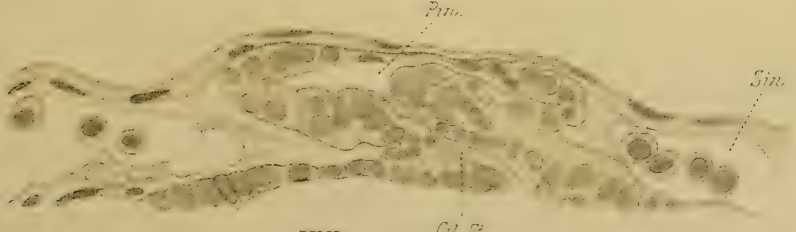
XIII.

XIV.




XVII.

XV.




XVI.

F. Huth, Lith.r Edin.r

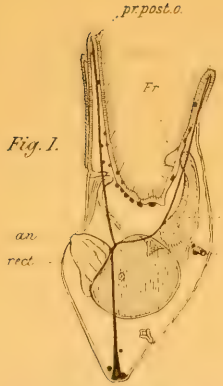



Fig. 1.

Larva of Echinus miliaris
6 days old.

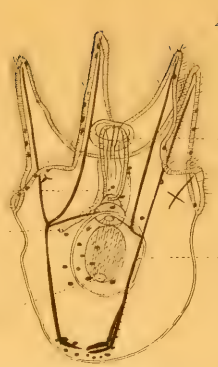



Fig. 2.

Larva of Echinus miliaris
in the 2nd week.

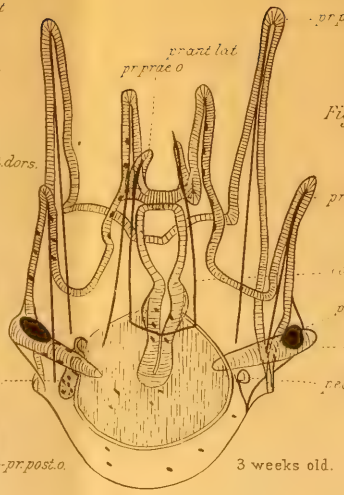
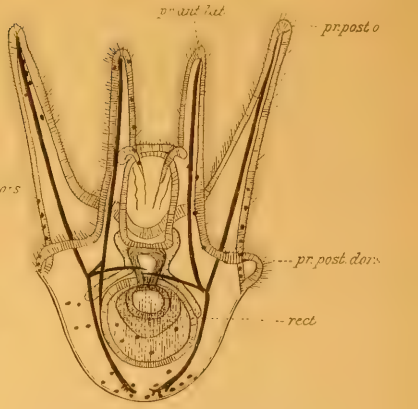



Fig. 3.

3 weeks old.

Larva of Echinus miliaris.




Larva of Echinus esculentus
7 days old.

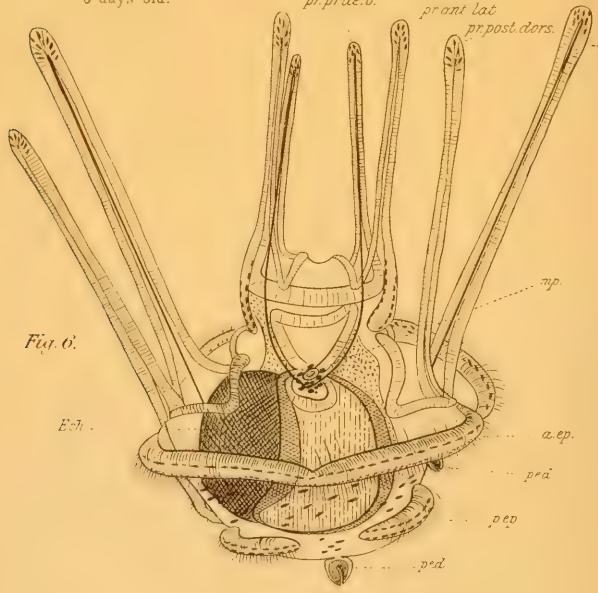



Fig. 6.

Larva of Echinus esculentus
4 weeks old.

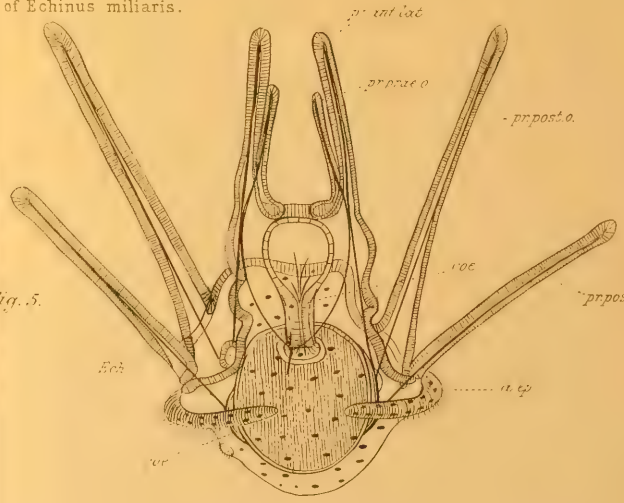
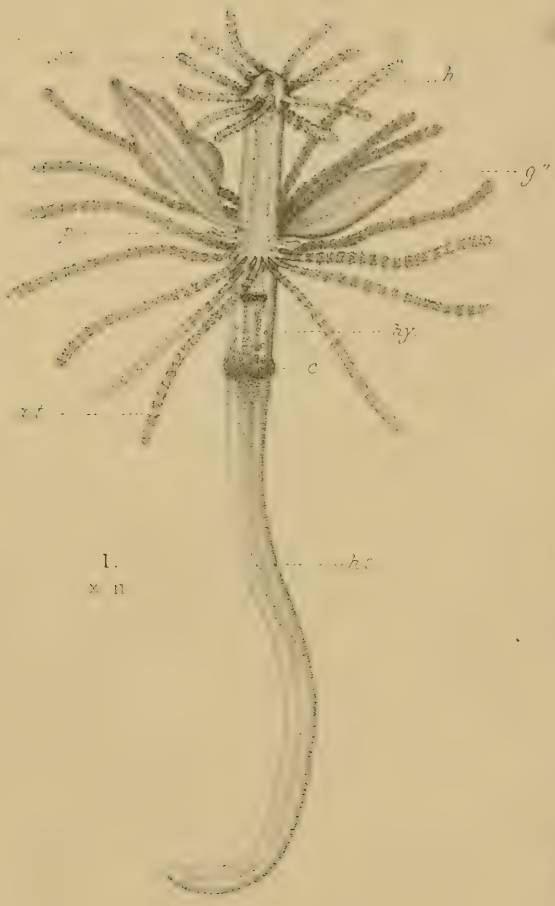



Fig. 5.

Larva of Echinus esculentus
3 weeks old.

P. Huth, Lith^r Edin^r

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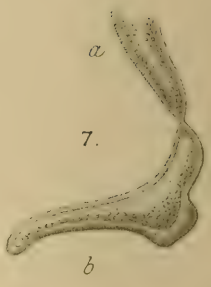


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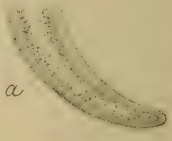


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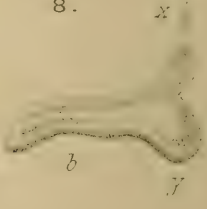


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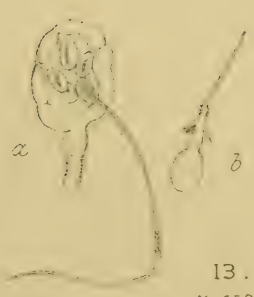


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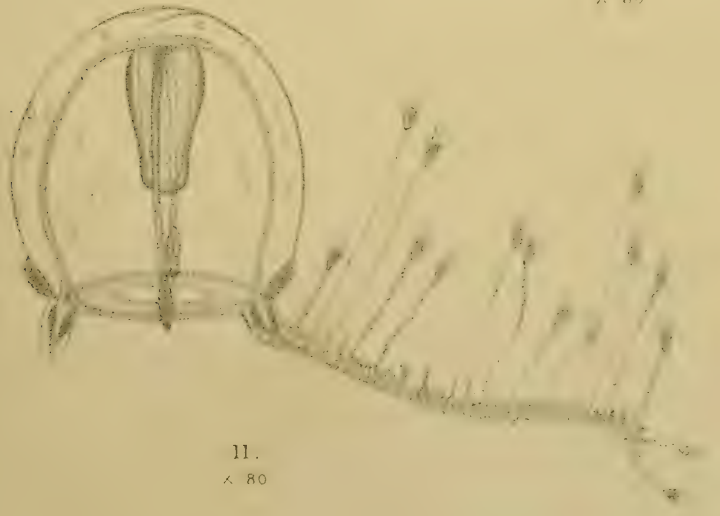

11.
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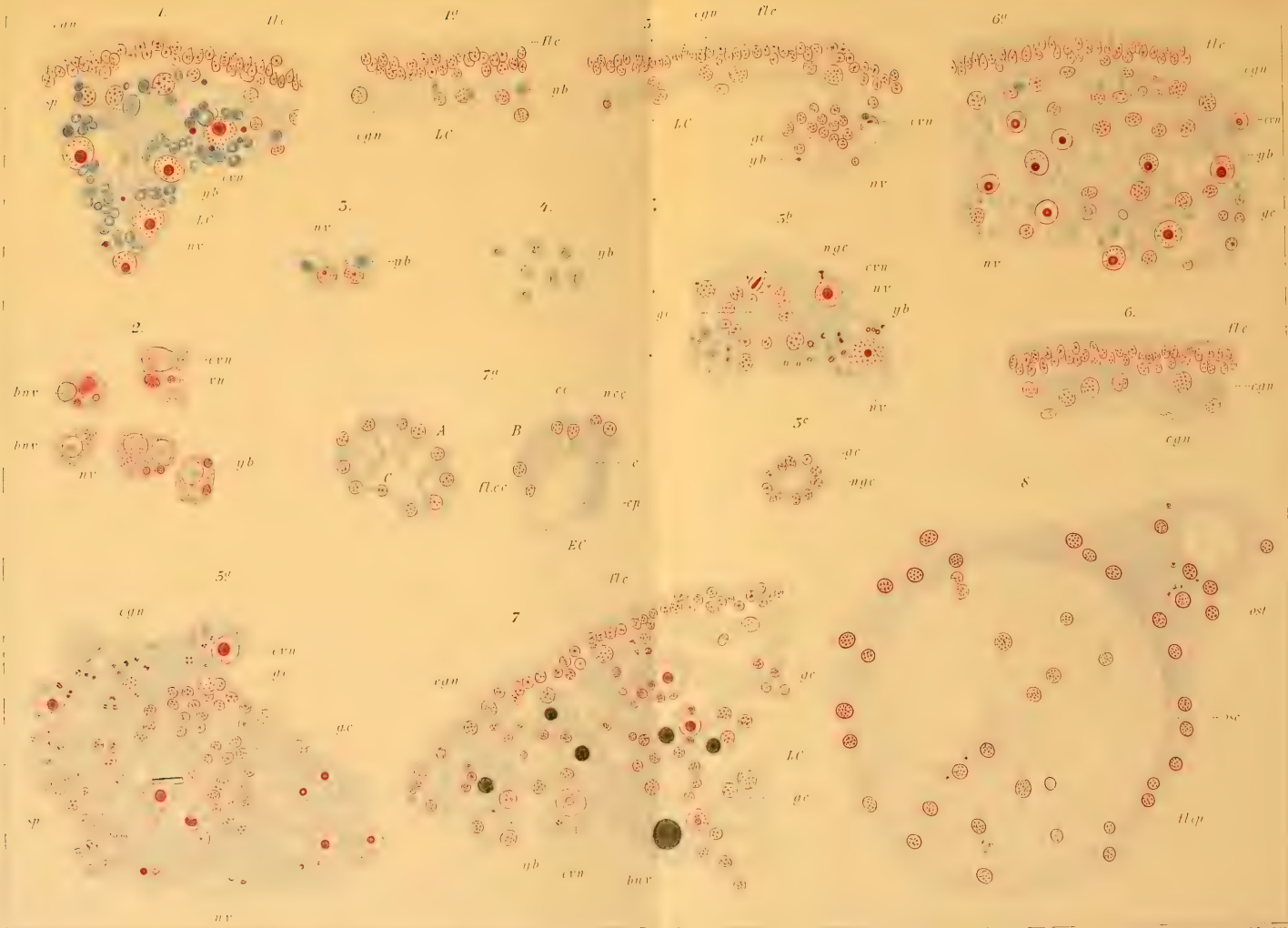
F Huth, Lith^r Edin^r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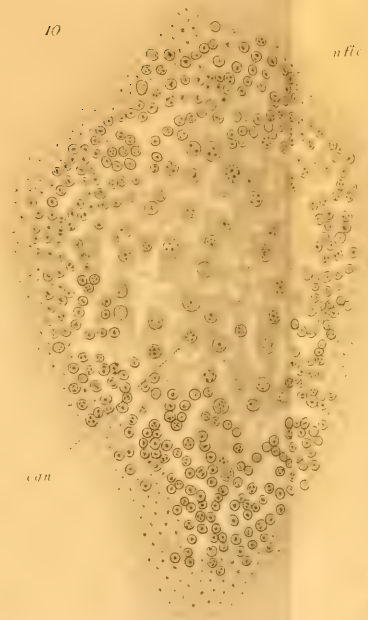

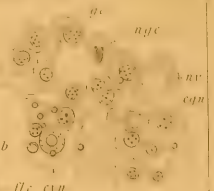

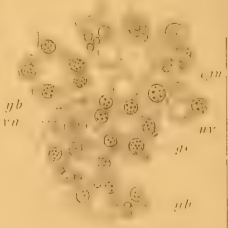


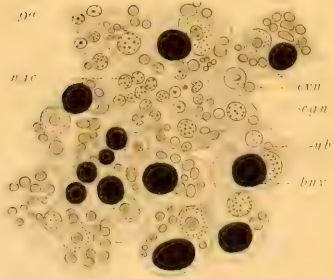

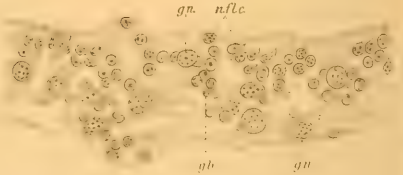


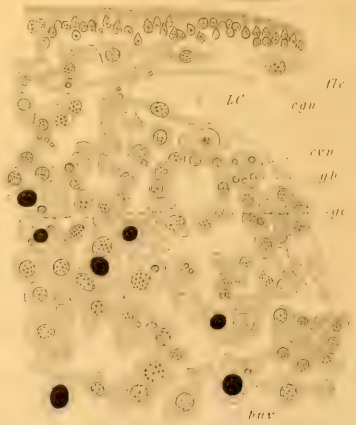


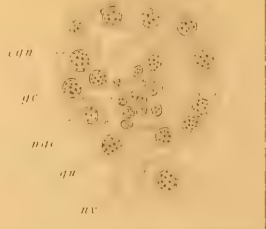


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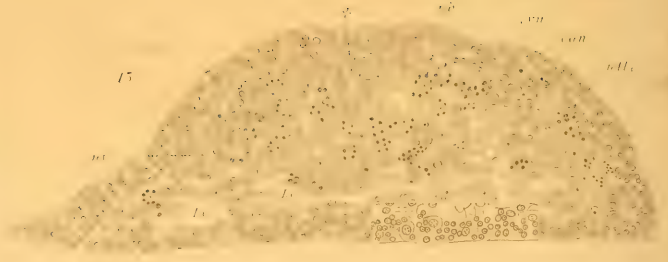

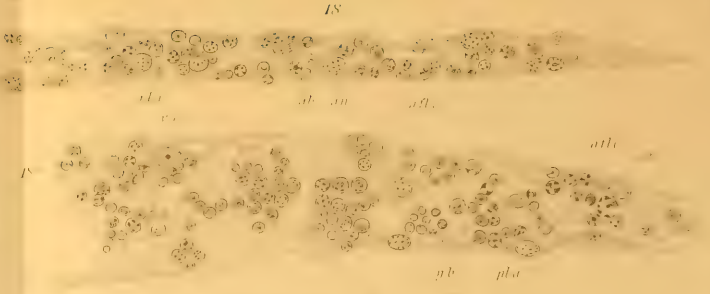

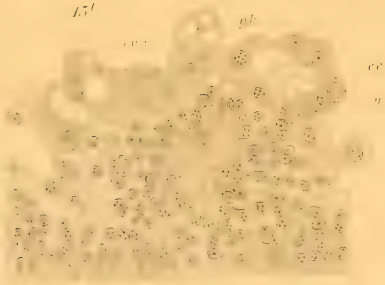

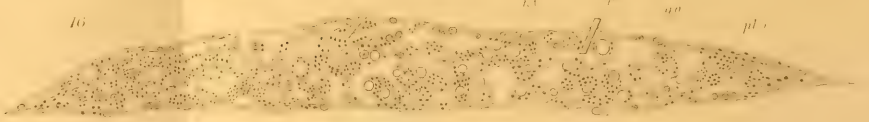

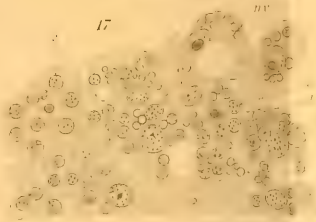

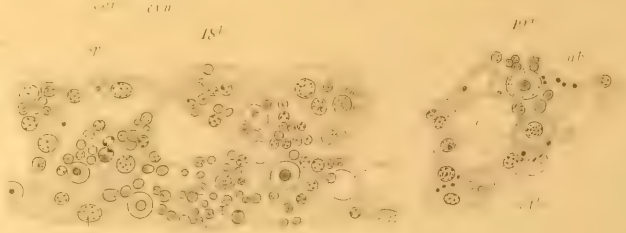

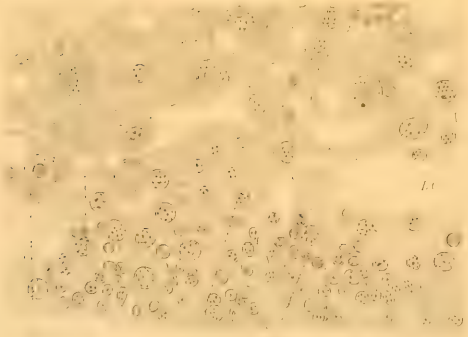

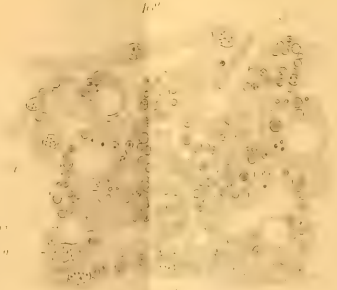

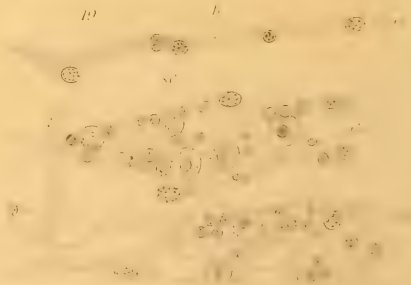

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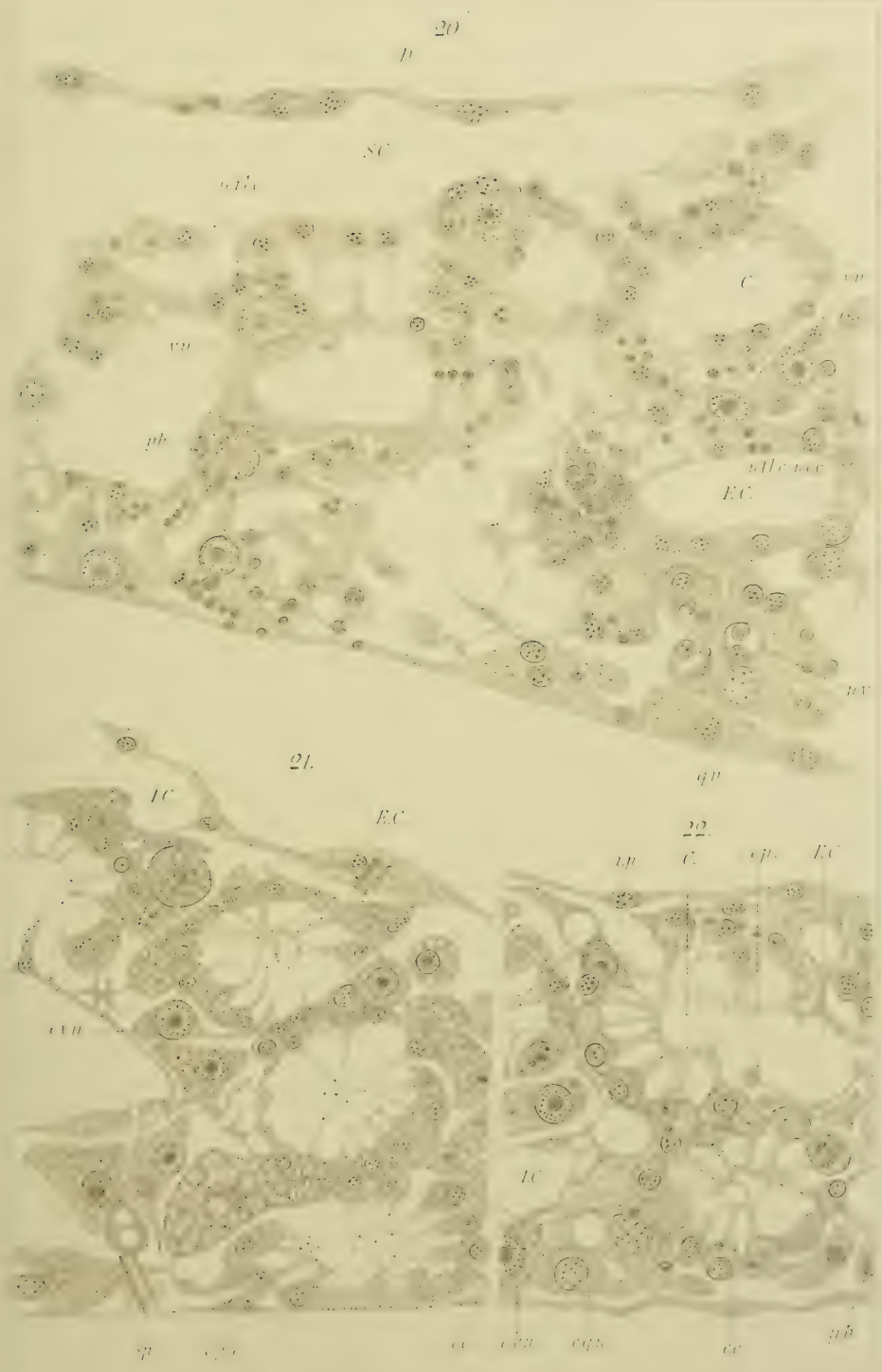
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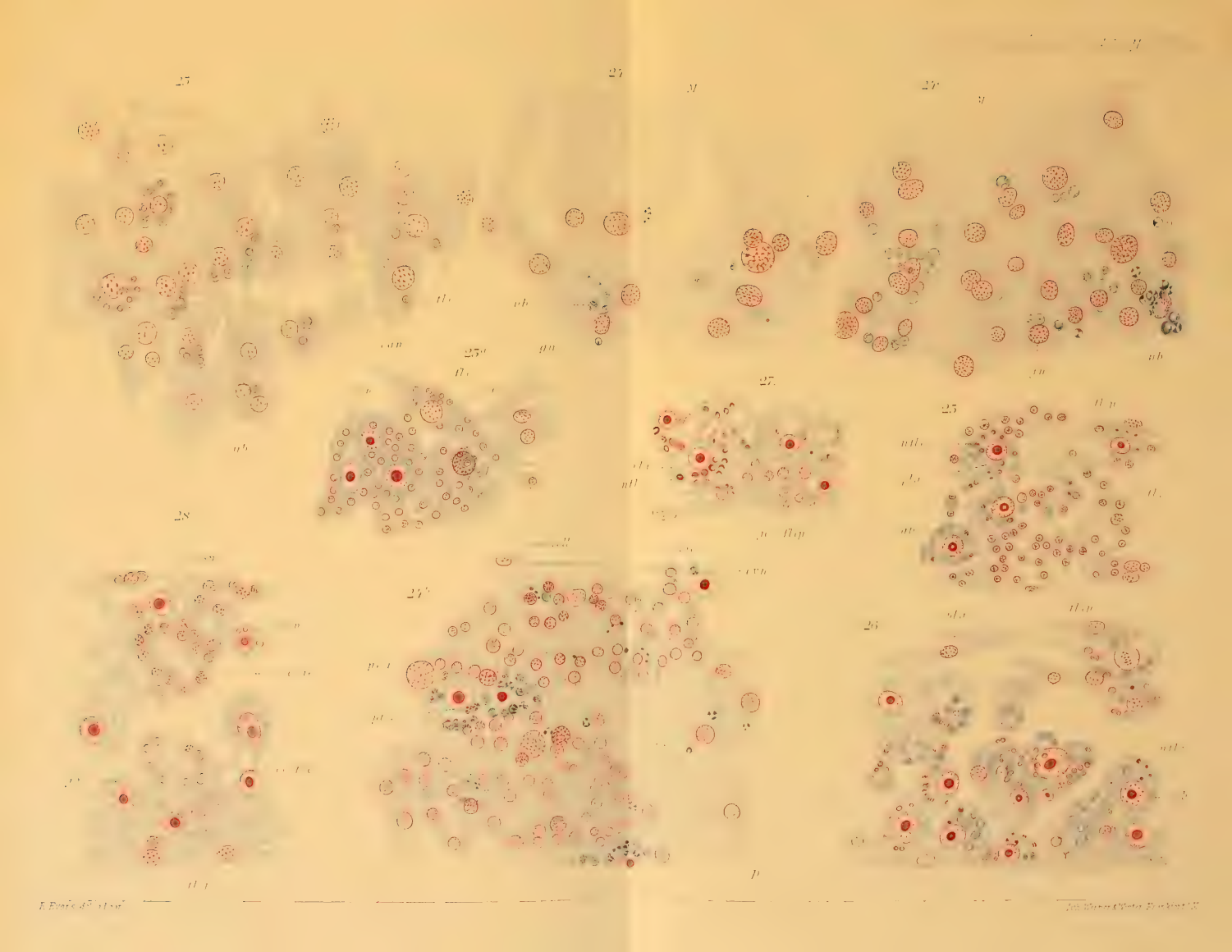

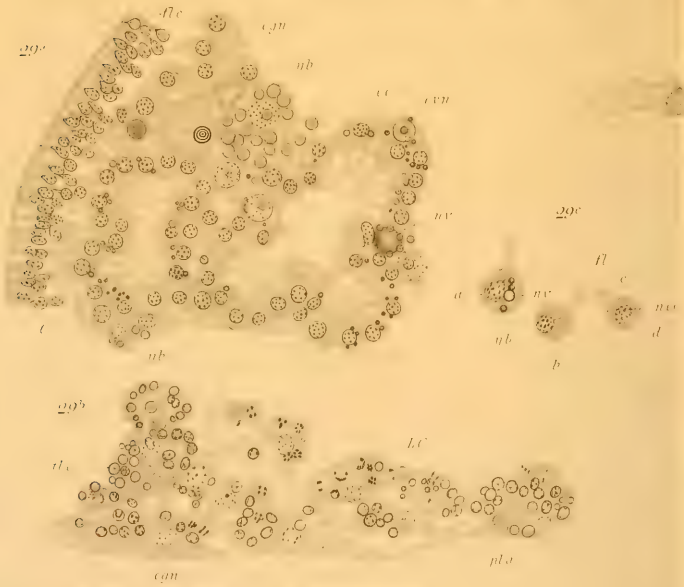


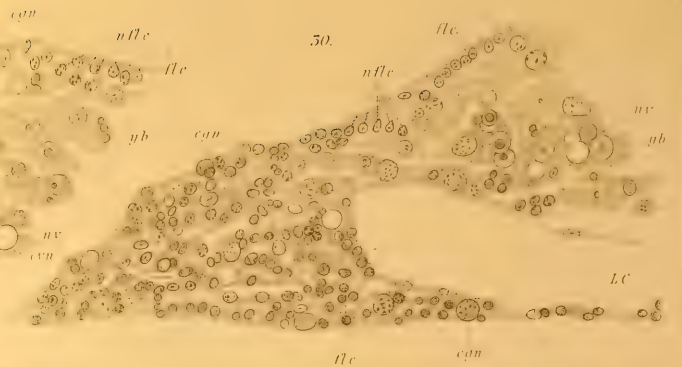


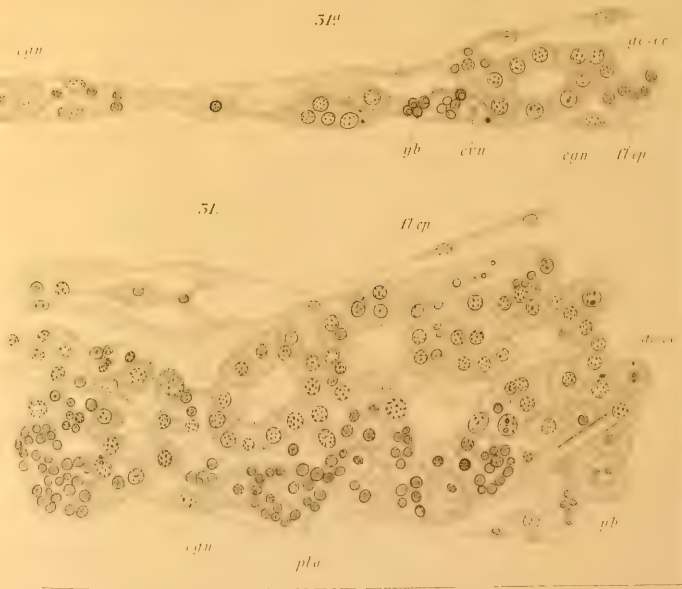


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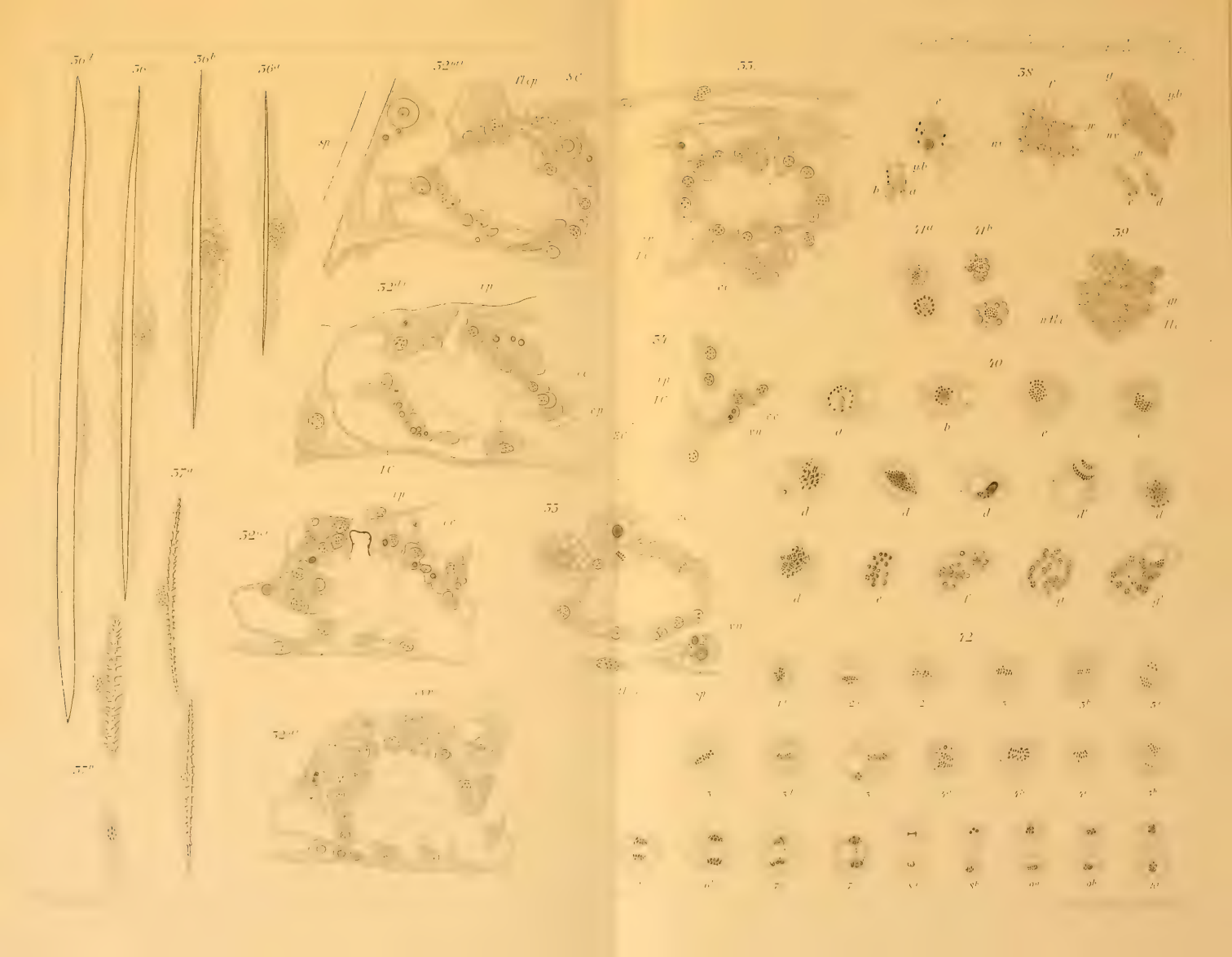


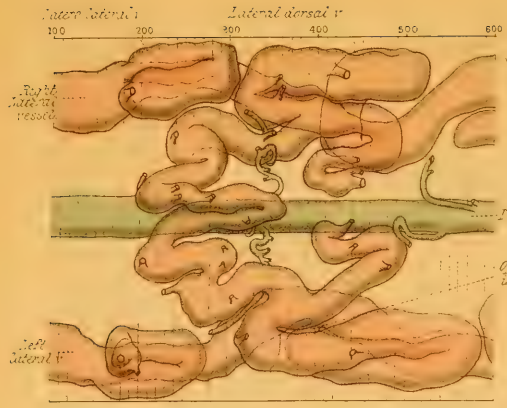
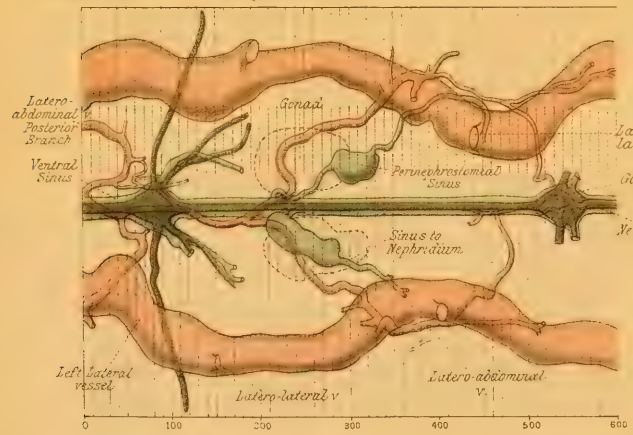



Fig. 1.

Fig. 5.

Fig. 2.

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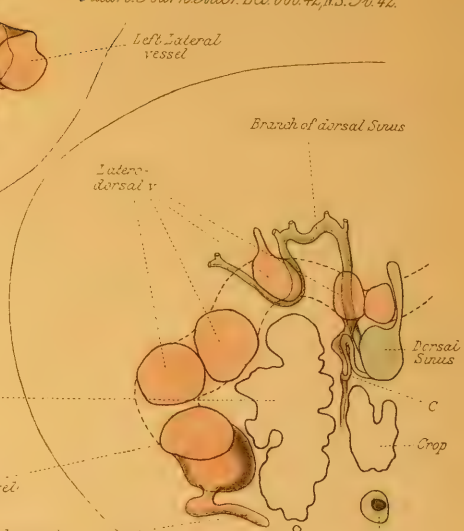


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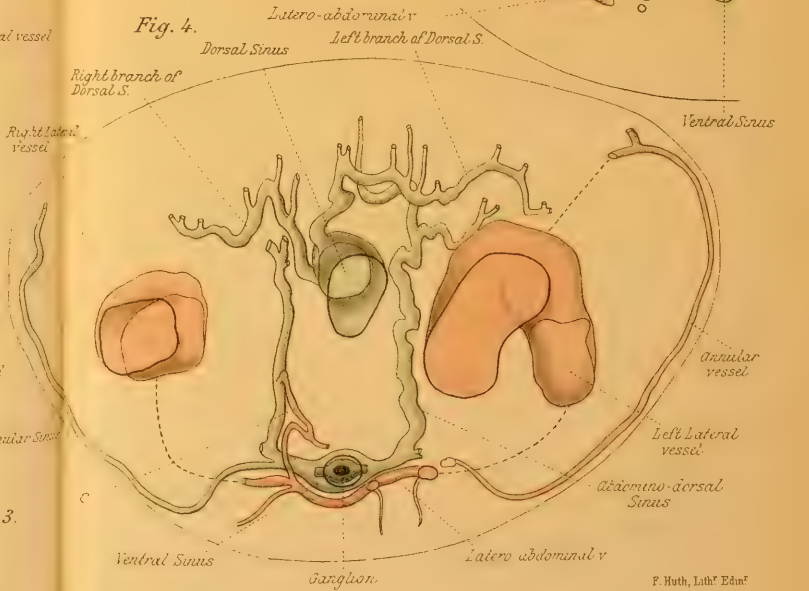


Fig. 4.

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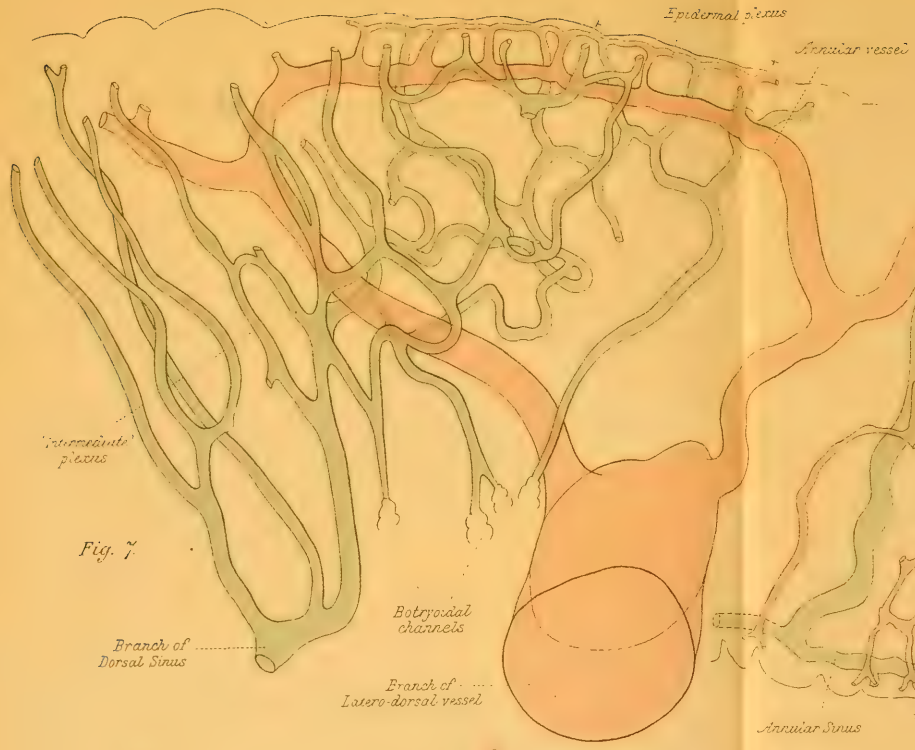


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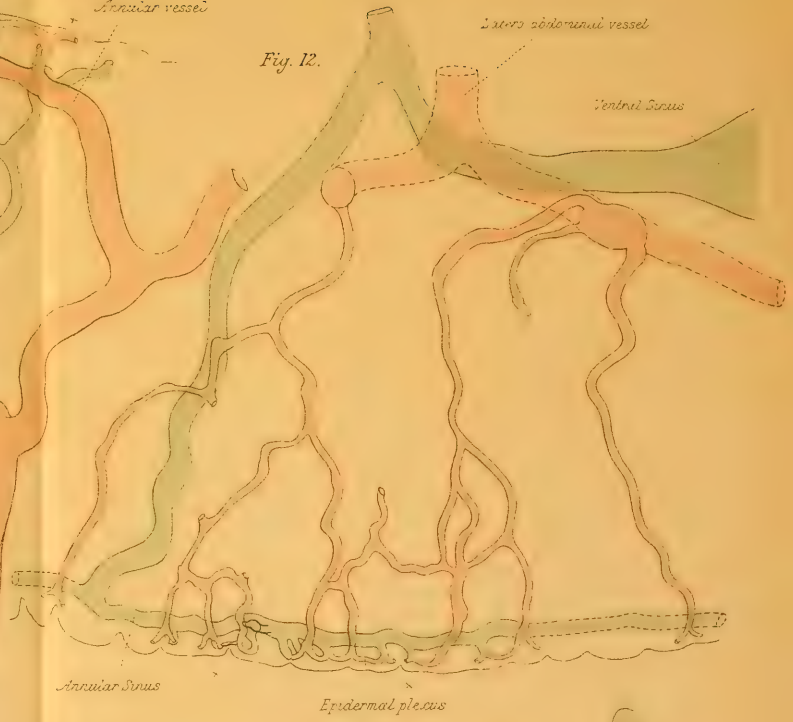
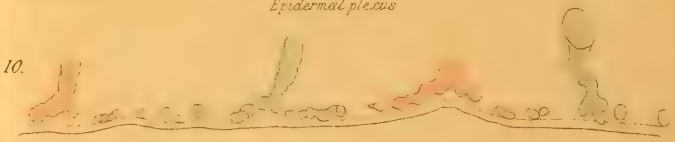



Fig. 12.

Fig. 8.



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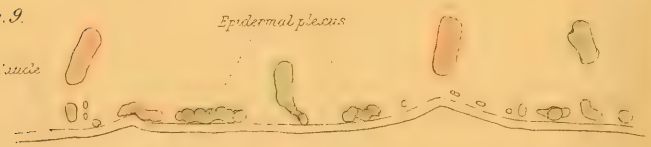


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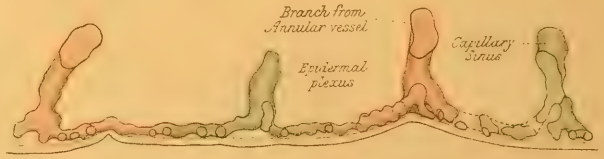


Fig. 11.

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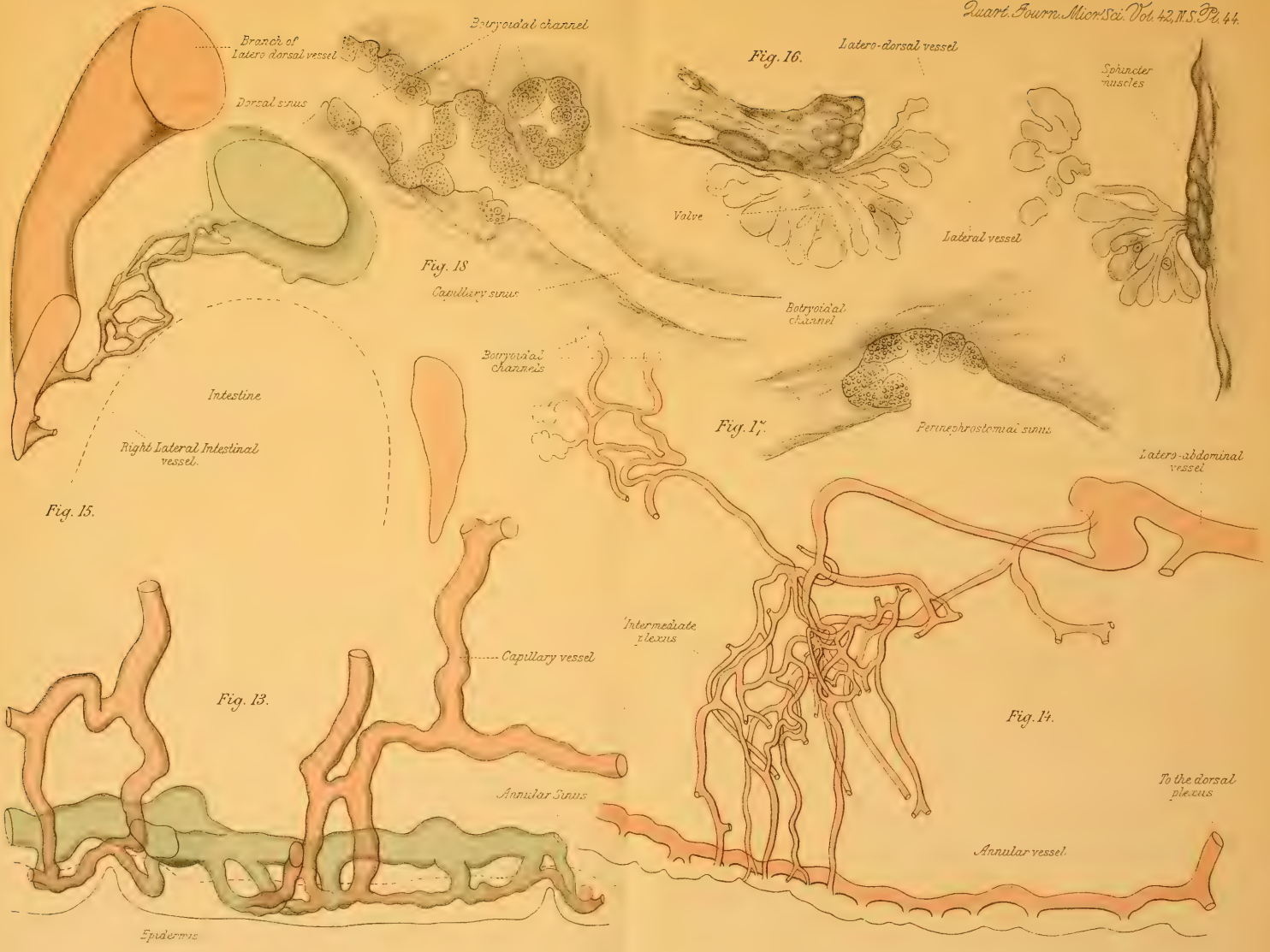


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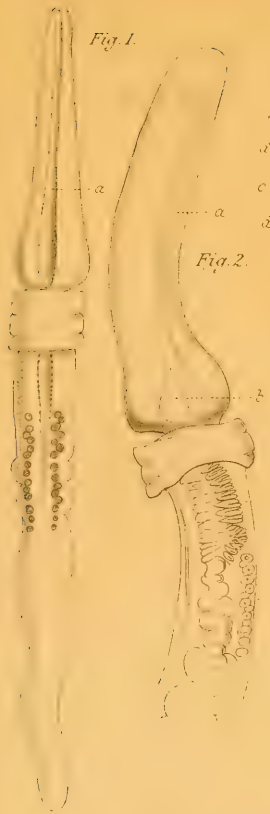

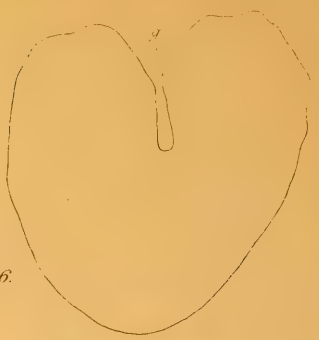


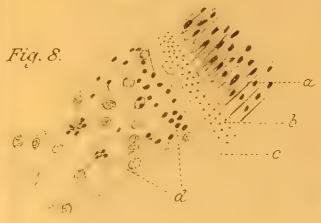


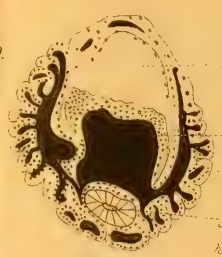


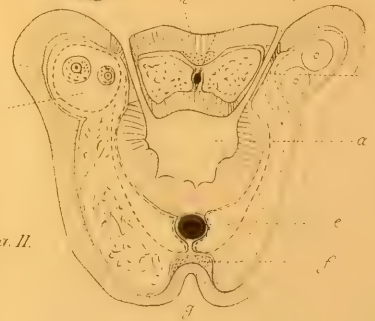

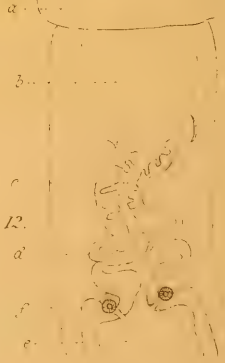


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